

20-1025 (Lead); 20-1138 (Consolidated)

**UNITED STATES COURT OF APPEALS
FOR THE DISTRICT OF COLUMBIA CIRCUIT**

ENVIRONMENTAL HEALTH TRUST; CONSUMERS FOR SAFE CELL
PHONES; ELIZABETH BARRIS; THEODORA SCARATO

CHILDREN'S HEALTH DEFENSE; MICHELE HERTZ; PETRA BROKKEN;
DR. DAVID O. CARPENTER; DR. PAUL DART; DR. TORIL H. JELTER; DR.
ANN LEE; VIRGINIA FARVER, JENNIFER BARAN; PAUL STANLEY, M.Ed.

Petitioners

v.

FEDERAL COMMUNICATIONS COMMISSION;
UNITED STATES OF AMERICA

Respondents

Petition for Review of Order Issued by the
Federal Communications Commission

DEFERRED JOINT APPENDIX**VOLUME 25**

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INDEX TO DEFERRED APPENDIX

Tab No.	JA Page Nos.	Date	Filer/Author	Filing/Attachment Description
VOLUME 1 – Tabs 1-2				
COMMISSION ORDER AND NOTICE OF INQUIRY				
1	1-160	Dec. 4, 2019	FCC	<i>Resolution of Notice of Inquiry Order</i>
2	161-363	Mar. 29, 2013	FCC	<i>Notice of Inquiry</i>
VOLUME 2 – Tabs 3 – 7 Part 1				
COMMENTS AND OTHER FILINGS				
3	364-428	Sep. 3, 2013	CTIA-The Wireless Association	FCC; Comments of the CTIA - The Wireless Association, ET Docket No. 13-84
4	429-467	Nov 18, 2013	CTIA-The Wireless Association	FCC; Reply Comments of the CTIA - The Wireless Association, ET Docket No. 13-84
5	468-572	Sep. 3, 2013	Mobile Manufacturers Forum	FCC; Mobile Manufacturers Forum Comments, ET Docket No. 13-84
6	573-588	Nov. 18, 2013	Mobile Manufacturers Forum	FCC; Mobile Manufacturers Forum Reply Comments, ET Docket No. 13-84

INDEX TO DEFERRED APPENDIX

Tab No.	JA Page Nos.	Date	Filer/Author	Filing/Attachment Description
7 Part 1	589-764	Sep. 16, 2019	Joel M. Moskowitz PhD	Research Compilation; Abstracts of over 2,100 studies published between 1990 - 2017; Prof. Henry Lai. (Tab 7 Part 1)
VOLUME 3 – Tab 7 Part 2				
7 Part 2	765-1164	Sep. 16, 2019	Joel M. Moskowitz PhD	Research Compilation; Abstracts of over 2,100 studies published between 1990 - 2017; Prof. Henry Lai.(Tab 7 Part 2)
VOLUME 4 – Tab 7 Part 3				
7 Part 3	1165-1564	Sep. 16, 2019	Joel M. Moskowitz PhD	Research Compilation; Abstracts of over 2,100 studies published between 1990 - 2017; Prof. Henry Lai.(Tab 7 Part 3)
VOLUME 5 – Tabs 7 Part 4 – 8 Part 1				
7 Part 4	1565-1602	Sep. 16, 2019	Joel M. Moskowitz PhD	Research Compilation; Abstracts of over 2,100 studies published between 1990 - 2017; Prof. Henry Lai.(Tab 7 Part 4)
8 Part 1	1603-1964	Sep. 13, 2019	Joel M. Moskowitz PhD	Research Compilation; Abstracts of Over 600 Studies Published Between August 2016- August 2019, Dr. Joel Moskowitz; 2019 (Tab 8 Part 1)

INDEX TO DEFERRED APPENDIX

VOLUME 6 – Tabs 8 Part 2 - 10				
8 Part 2	1965-2130	Sep. 13, 2019	Joel M. Moskowitz PhD	Research Compilation; Abstracts of Over 600 Studies Published Between August 2016- August 2019, Dr. Joel Moskowitz; 2019 (Tab 8 Part 2)
9	2131-2142	Sep. 28, 2016	Gary C. Vesperman	Research Compilation; Abstracts of 15 New Studies, Dr. Joel Moskowitz PhD, 2016
10	2143-2378	Jul. 7, 2016	Environmental Health Trust	Research Compilation; Studies and Documents; City of Pinole, CA
VOLUME 7 – Tabs 11 – 13 Part 1				
11	2379-2389	Jul. 7, 2016	Environmental Health Trust	US Exposures Limits - A History of Their Creation, Comments and Explanations; Eng. Lloyd Morgan
12	2390-2439	Aug. 26, 2016	Heidi M. Lumpkin	Biosystem & Ecosystem; Birds, Bees and Mankind: Destroying Nature by ‘Electrosmog’: Effects of Mobile Radio and Wireless Communication. Dr. Ulrich Warnke, Ph.D., 2007
13 Part 1	2440-2778	Jul. 13, 2016	Parents for Safe Technology	Cancer; IARC Monograph: Non-Ionizing Radiation Part 2: RF EMFs, 2013 (Tab 13 Part 1)
VOLUME 8 – Tabs 13 Part 2 - 23				
13 Part 2	2779-2920	Jul. 13, 2016	Parents for Safe Technology	Cancer; IARC Monograph: Non-Ionizing Radiation Part 2: RF EMFs, 2013 (Tab 13 Part 2)

INDEX TO DEFERRED APPENDIX

14	2921-2927	Nov. 18, 2013	Kevin Mottus	Cancer; IARC Press Release: IARC Classifies RF EMFs As Possibly Carcinogenic to Humans, 2011
15	2928-3002	Jul. 11, 2016	Environmental Health Trust	NTP; Report of Partial Findings from the National Toxicology Program Carcinogenesis Studies of Cell Phone Radiofrequency Radiation in Hsd: Sprague Dawley® SD rats (Whole Body Exposures); Draft 5-19-2016
16	3003-3009	Oct. 1, 2018	Environmental Health Trust	NTP; Commentary on the utility of the National Toxicology Program study on cell phone radiofrequency radiation data for assessing human health risks despite unfounded criticisms aimed at minimizing the findings of adverse health effects. Environmental Research. Dr. Ron Melnick; 2019
17	3010-3036	Apr. 16, 2018	Theodora Scarato	NTP; Dr. Hardell and Dr. Carlsberg letter to the NTP, NIH, DHHS, NTP Technical Report On The Toxicology And Carcinogenesis Studies; Mar. 12, 2018
18	3037-3048	Oct. 1, 2018	Environmental Health Trust	Cancer-NTP; Cancer epidemiology update, following the 2011 IARC evaluation of radiofrequency electromagnetic fields; (Miller et al); 2018
19	3049-3055	Oct. 18, 2018	Joel M. Moskowitz, Ph.D.	Cancer-NTP; The Significance of Primary Tumors in the NTP Study of Chronic Rat Exposure to Cell Phone Radiation. IEEE Microwave Magazine. Prof. James C. Lin; 2019

INDEX TO DEFERRED APPENDIX

20	3056-3065	Aug. 27, 2013	Cindy Sage and David O. Carpenter	BioInitiative Comments
21	3066-3080	Nov. 18, 2013	Kevin Mottus	BioInitiative; 2012 Conclusions
22	3081-3126	Nov. 18, 2013	Kevin Mottus	BioInitiative; Section 24: Key Scientific Evidence and Public Health Policy Recommendations; 2012
23	3127-3146	Jul. 11, 2016	Cecelia Doucette	BioInitiative; Section 1: Summary for the Public (2014 Supplement)
VOLUME 9 – Tabs 24-27				
24	3147-3218	Sep. 30, 2016	Catherine Kleiber	BioInitiative-Modulation; Section 15: Evidence for Disruption by Modulation Role of Physical and Biological Variables in Bioeffects of Non-Thermal Microwaves for Reproducibility, Cancer Risk and Safety Standards, (2012 Supplement)
25	3219-3319	Sep. 3, 2013	Kevin Mottus	BioInitiative; Section 20, Findings in Autism, Consistent with Electromagnetic Fields (EMF) and Radiofrequency Radiation (RFR); 2012
26	3320-3321	Sep. 16, 2019	Joel Moskowitz PhD.	BioInitiative-Neurological; Percent Comparison, Effect vs No Effect in Neurological Effect Studies; 2019
27	3322-3559	Sep. 16, 2019	Joel Moskowitz PhD.	BioInitiative-Neurological; Research Summaries, RFR Neurological Effects (Section 8), 2007-2017; 2017

INDEX TO DEFERRED APPENDIX

VOLUME 10 – Tabs 28-41				
28	3560-3561	Sep. 16, 2019	Joel M. Moskowitz PhD.	BioInitiative-Mechanisms of Harm; Percent Comparison Showing Effect vs No Effect, DNA (Comet Assay), 2017 and Free Radical (Oxidative Stress), 2019
29	3562-3602	Sep. 16, 2019	Joel M. Moskowitz PhD.	BioInitiative-Mechanisms of Harm; Research Summaries, DNA (Comet Assay) Studies; 76 Studies, 2017
30	3603-3721	Sep. 16, 2019	Joel M. Moskowitz PhD.	BioInitiative-Mechanisms of Harm; Research Summaries, Free Radicals (Oxidative Stress Effects), 225 studies, 2019
31	3722-3749	Apr. 11, 2014	Cindy Sage, MA	BioInitiative Working Group; Preliminary Opinion on Potential Health Effects of Exposure to Electromagnetic Fields (EMF); 2014
32	3750-3755	Sep. 16, 2019	Bioinitiative Working Group	BioInitiative Working Group; Consistent Failure to Identify the Potential for Health Effects (Exhibit A); 2014
33	3756-3766	Sep. 14, 2019	Bioinitiative Working Group	BioInitiative Working Group; Reference List for Important Fertility and Reproduction Papers (Exhibit C); 2014
34	3767-3771	Apr. 14, 2019	Cindy Sage	BioInitiative Working Group; Mitochondrial Dysfunction and Disruption of Electrophysiology (Exhibit G); 2014

INDEX TO DEFERRED APPENDIX

35	3772-3779	Apr. 14, 2019	Cindy Sage, MA	BioInitiative Working Group; Epidemiological Studies, RF fields epidemiology, Comments by Drs. Lennart Hardell, Fredrik Soderqvist PhD. and Michael Carlberg, MSc. Section 3.5.1.1 Epidemiological Studies (Exhibit B); 2014
36	3780-3874	Apr 11, 2014	Cindy Sage, MA	BioInitiative Working Group; An Update on the Genetic Effects of Nonionizing Electromagnetic Fields by Prof. Henry Lai PhD; (Exhibit E); 2014
37	3875-3896	Apr. 11, 2014	Cindy Sage, MA	BioInitiative Working Group; An Update on Physical and Biological Variables, Cancer and Safety Standards by Prof. Igor Belyaev Dr. Sc., (Exhibit F); 2014
38	3897-3904	Sep. 30, 2016	Maria Powell	BioInitiative Co-Editor; Human Health Effects of EMFs: The Cost of Doing Nothing. IOPScience. (Prof. David Carpenter MD.); 2010
39	3905-3919	Sep. 28, 2016	Kevin Mottus	BioInitiative Author; Statement of Prof. Martin Blank PhD., PhD.; 2016
40	3920-3945	Aug 27, 2013	Sage Hardell Herbert	BioInitiative Authors; Prof. Lennart Hardell MD. PhD., Prof. Martha Herbert MD. PhD. and Cindy Sage Comments
41	3946-3984	Aug. 26, 2013	B. Blake Levitt & Henry Lai	BioInitiative Author; Prof. Henry Lai PhD, and Blake Levitt Comments

INDEX TO DEFERRED APPENDIX

VOLUME 11 – Tabs 42-59				
42	3985-4072	Sep. 3, 2013	Paul Dart MD	Dr. Paul Dart MD. (Petitioner) Comments
43	4073-4102	Feb. 4, 2013	Dr. Andrew Goldsworthy	The Biological Effects of Weak Electromagnetic Fields, Problems and Solutions, Prof. Andrew Goldsworthy; 2012
44	4103-4106	Sep. 4, 2013	Richard Meltzer	Dr. Richard Meltzer Comments, Radio Frequency (RF) Exposure: A Cautionary Tale
45	4107-4112	Feb. 6, 2013	Donald R. Maisch	Dr. Donald R. Maisch PhD. Comments
46	4113-4129	Nov. 18, 2013	Catherine Kleiber	Biological Effects from RF Radiation at Low-Intensity Exposure, based on the BioInitiative 2012 Report, and the Implications for Smart Meters and Smart Appliances; Dr. Ron M. Powell, PhD.; 2013
47	4130-4137	Aug. 20, 2013	Lawrence James Gust	Eng. Lawrence James Gust Comments
48	4138-4146	Feb. 25, 2013	Michael Schwaebe	Eng. Michael Schwaebe Comments
49	4147-4178	Mar. 18, 2015	Environmental Working Group	Organizations; Environmental Working Group Reply Comments
50	4179-4195	Nov. 18, 2013	Nina Beety	Nina Beety Comments

INDEX TO DEFERRED APPENDIX

51	4196-4206	Sep. 16, 2019	Joel Moskowitz PhD.	Organizations; EMF Scientist Appeal, International Scientists' Appeal to the United Nations; 2015
52	4207-4217	Apr. 5, 2018	NancyD	Organizations; 5G Appeal, Scientist Appeal to the EU, Scientists Warn of Potential Serious Health Effects of 5G; 2017
53	4218-4240	Jun. 7, 2017	Environmental Health Trust	Organizations; Medical Doctors and Public Health Organizations: Consensus Statements and Doctors' Recommendations on Cell Phones/Wireless; 2017
54	4241-4244	Sep. 27, 2016	Kevin Mottus	Organizations; Council of Europe, Résolution 1815, The Potential Dangers of Electromagnetic Fields and Their Effect on the Environment; 2011
55	4245-4257	Feb. 5, 2013	Gilda Oman	Organizations; Council of Europe, Parliamentary Assembly Report: The potential dangers of electromagnetic fields and their effect on the environment; 2011
56	4258-4293	Jul. 11, 2016	Environmental Health Trust	Organizations - Radiation Sickness; European Academy for Environmental Medicine, EUROPAEM EMF Guideline 2015 for the prevention, diagnosis and treatment of EMF-related health problems and illnesses; 2015

INDEX TO DEFERRED APPENDIX

57	4294-4305	Feb. 5, 2013	David Mark Morrison	Organizations; Scientific Panel on Electromagnetic Field Health Risks: Consensus Points, Recommendations, and Rationales, Scientific Meeting: Seletun, Norway. Reviews on Environmental Health; (Fragopoulou, Grigoriev et al); 2010
58	4306-4361	Aug. 30, 2013	EMF Safety Network	Organizations; EMF Safety Network Comments
59	4362-4374	Jul 7, 2016	Environmental Health Trust	Organizations - Russian Government; Electromagnetic Fields From Mobile Phones: Health Effect On Children And Teenagers Resolution Of Russian National Committee On Nonionizing Radiation Protection April 2011, Moscow
VOLUME 12 – Tabs 60 – 68 Part 1				
60	4375-4482	Jul 7, 2016	Environmental Health Trust	Organizations - Cyprus Government; Neurological and behavior effects of Non-Ionizing Radiation emitted from mobile devices on children: Steps to be taken ASAP for the protection of children and future generations. Presentation Slides; 2016
61	4483-4531	Nov. 18, 2013	Kevin Mottus	Organizations; Austrian Medical Association, Environmental Medicine Evaluation of Electromagnetic Fields; Dr. Jerd Oberfeld MD.; 2007
62	4532-4534	Jul. 11, 2016	Environmental Health Trust	Organizations; The American Academy of Pediatrics, Letter to the FCC; 2013

INDEX TO DEFERRED APPENDIX

63	4535-4540	Sep. 29, 2016	Kevin Mottus	Organizations; California Medical Association, House of Delegates Resolution Wireless Standards (Resolution 107 - 14); 2014
64	4541-4543	Sep. 3, 2013	Grassroots Environmental Education, Inc. o/b/o American Academy of Environmental	Organizations; American Academy of Environmental Medicine, Letter to the Federal Communications Commission; 2013
65	4544-4561	Sep. 29, 2016	Kevin Mottus	Organizations - Radiation Sickness; Austrian Medical Association, Guidelines for the Diagnosis and Treatment of EMF Related Health Problems and Illnesses (EMF Syndrome); 2011
66	4562-4590	Sep. 28, 2016	Kevin Mottus	Organizations; International Association of Fire Fighters, Position on the Health Effects from Radio Frequency/Microwave Radiation in Fire Department Facilities from Base Stations for Antennas and Towers; 2004
67	4591-4599	Sep. 28, 2016	Kevin Mottus	Organizations; Cities of Boston and Philadelphia Reply Comments
68 Part 1	4600-4800	Sep. 3, 2013	Environmental Working Group	Organizations; Appeal to the FCC Signed by 26,000 People and Organized by the Environmental Working Group, 2013 (Tab 68 Part 1)

INDEX TO DEFERRED APPENDIX

VOLUME 13 – Tabs 68 Part 2 - 76				
68 Part 2	4801- 5171	Sep. 3, 2013	Environmental Working Group	Organizations; Appeal to the FCC Signed by 26,000 People and Organized by the Environmental Working Group, 2013 (Tab 68 Part 2)
69	5172- 5186	Aug. 25, 2016	Kevin Mottus	Organizations; Freiburger Appeal - Doctors Appeal; 2002
70	5187- 5191	Sep. 3, 2013	Grassroots Environmental Education, Inc.	Organizations; Benevento Resolution, The International Commission for Electromagnetic Safety (ICEMS), 2006
71	5192- 5197	Jul. 18, 2016	Environmental Health Trust	Organizations; The Porto Alegre Resolution; 2009
72	5198- 5204	Feb. 6, 2013	Kevin Mottus	Organizations; Kaiser Permanente, Letter from Dr. De-Kun Li, Division of Research
73	5205- 5210	Sep. 3, 2013	American Association For Justice	Organizations; American Association for Justice, Comments
74	5211- 5219	Feb. 6, 2013	Jonathan Libber	Organizations; Maryland Smart Meter Awareness, Comments (filed by Jonathan Libber)
75	5220- 5228	Feb. 6, 2013	Electromagnetic Safety Alliance	Organizations; Electromagnetic Safety Alliance, Comments

INDEX TO DEFERRED APPENDIX

76	5229-5241	Sep. 29, 2016	Ed Friedman	Organizations; Wildlife and Habitat Conservation Solutions; What We Know, Can Infer, and Don't Yet Know about Impacts from Thermal and Non-thermal Non-ionizing Radiation to Birds and Other Wildlife. Dr. Albert M. Manville, PhD.; 2016
VOLUME 14 – Tabs 77-96				
77	5242-5258	Sep. 30, 2016	Catherine Kleiber	Mechanisms of Harm; Meta-Analysis, Oxidative mechanisms of biological activity of low-intensity radiofrequency radiation. Electromagn Biol Med (Yakymenko et al); 2016
78	5259-5269	Sep 3, 2013	Monnie Ramsell	Mechanisms of Harm; Blood Brain Barrier; Increased Blood–Brain Barrier Permeability in Mammalian Brain 7 Days after Exposure to the Radiation from a GSM-900 Mobile Phone. Pathophysiology (Nittby, Salford et al); 2009
79	5270-5286	Sep. 3, 2013	Paul Dart MD.	Mechanisms of Harm; DNA Damage; Microwave RF Interacts with Molecular Structures; Dr. Paul Dart MD.; 2013
80	5287-5303	Sep. 3, 2013	The EMR Policy Institute	Medical Treatments & Modulation; Treatment of advanced hepatocellular carcinoma with very low levels of amplitude-modulated electromagnetic fields. British Journal of Cancer. (Costa et al); 2011

INDEX TO DEFERRED APPENDIX

81	5304-5306	Sep. 3, 2013	The EMR Policy Institute	Medical Treatments & Modulation; Treating cancer with amplitude-modulated electromagnetic fields: a potential paradigm shift, again? British Journal of Cancer. (Dr. Carl Blackman); 2012
82	5307-5309	Feb. 8, 2013	Alan Frey	Modulation; Dr. Alan Frey PhD., Comments, Feb. 7, 2013
83	5310-5319	Jul. 11, 2016	Environmental Health Trust	Modulation; Real Versus Simulated Mobile Phone Exposures in Experimental Studies. Biomed Res Int. (Prof. Panagopoulos et al); 2015
84	5320-5368	Sep. 16, 2019	Joel M. Moskowitz, PhD	Neurological; Book Chapter, A Summary of Recent Literature (2007-2017) on Neurological Effects of Radiofrequency Radiation, Prof. Lai; 2018 Referenced 122 Studies.
85	5369-5412	Sep. 28, 2016	Kevin Mottus	Neurological - Report; Evidence of Neurological effects of Electromagnetic Radiation: Implications for degenerative disease and brain tumour from residential, occupational, cell site and cell phone exposures. Prof. Neil Cherry; 225 scientific references. 2002
86	5413-5415	Sep 3, 2013	Kevin Mottus	Neurological; The effects of mobile-phone electromagnetic fields on brain electrical activity: a critical analysis of the literature. Electromagn Biol Med. (Marino et al) (Abstract); 2009

INDEX TO DEFERRED APPENDIX

87	5416-5435	Nov. 18, 2013	Kevin Mottus	Autism and EMF? Plausibility of a pathophysiological link. Pathophysiology, Part I. (Herbert et al); 2013
88	5436-5460	Nov. 18, 2013	Kevin Mottus	Autism and EMF? Plausibility of a pathophysiological link. Pathophysiology, Part II. (Herbert et al); 2013
89	5461-5486	Sep. 3, 2013	Kevin Mottus	Fertility; Research Abstracts, List of References Reporting Fertility and/or Reproduction Effects from Electromagnetic Fields and/or Radiofrequency Radiation (66 references)
90	5487-5499	Sep. 3, 2013	Paul Dart MD	Fertility; Effects of Microwave RF Exposure on Fertility, Dr. Paul Dart MD. (Petitioner); 2013
91	5500-5506	Sep. 3, 2013	Paul Dart MD	Hormonal; RF and Hormones, Alterations in Hormone Physiology; Dr. Paul Dart MD. (Petitioner); 2013
92	5507-5514	Feb. 7, 2013	Toni Stein	Prenatal & Children; Fetal Radiofrequency Radiation Exposure From 800-1900 Mhz-Rated Cellular Telephones Affects Neurodevelopment and Behavior in Mice. Scientific Reports. (Aldad, Taylor et al); 2012
93	5515-5518	Jul. 7, 2016	Environmental Health Trust	Prenatal & Children; Fetal Exposures and Cell Phones. Studies List. Prof. Hugh Taylor MD.; 2015

INDEX TO DEFERRED APPENDIX

94	5519-5553	Jul. 13, 2016	Parents for Safe Technology	Prenatal and Children; Fetal Cell Phone Exposure: How Experimental Studies Guide Clinical Practice, Hugh S. Taylor MD. PhD., Chair of Obstetrics, Gynecology and Reproductive Sciences, Yale School of Medicine
95	5554-5559	Sep. 3, 2013	Dr. Suleyman Kaplan	Prenatal & Children; Dr. Suleyman Kaplan Comments
96	5560-5614	Nov. 18, 2013	Kevin Mottus	Prenatal & Children; Amended Declaration of Dr. David O. Carpenter MD. (Dec. 20, 2011); <i>Morrison et al v. Portland Schools</i> , No. 3:11-cv-00739-MO (U.S.D.C. Oregon, Portland Div.)
VOLUME 15 – Tabs 97-101				
97	5615-5712	Sep. 28, 2016	Kevin Mottus	Prenatal & Children; Doctors and Scientists Letters on Wi-Fi in Schools
98	5713-5895	Jul. 11, 2017	Environmental Health Trust	Dr. Devra Davis PhD., President of Environmental Health Trust (Petitioner) Comments
99	5896-5993	Jun. 7, 2017	Environmental Health Trust	Children; Letter to Montgomery County Schools, Prof. Martha Herbert MD., PhD.; 2015
100	5994-6007	Apr. 29, 2019	Environmental Health Trust	Neurological - Children; A Prospective Cohort Study of Adolescents' Memory Performance and Individual Brain Dose of Microwave Radiation from Wireless Communication. Environ Health Perspect. (Foerster et al); 2018

INDEX TO DEFERRED APPENDIX

101	6008-6014	Sep. 28, 2016	Kevin Mottus	Prenatal & Children; Cell phone use and behavioral problems in young children. J Epidemiol Community Health. (Divan et al); 2012
VOLUME 16 - Tabs 102-126				
102	6015-6026	Jul. 7, 2016	Environmental Health Trust	Prenatal & Children; “Cell Phones & WiFi – Are Children, Fetuses and Fertility at Risk?”; 2013
103	6027-6060	Jul. 7, 2016	Environmental Health Trust	Prenatal & Children; Safe Schools 2012, Medical and Scientific Experts Call for Safe Technologies in Schools
104	6061-6067	Sep. 3, 2013	Kevin Mottus	Prenatal & Children - Stem Cells; Microwaves from Mobile Phones Inhibit 53BP1 Focus Formation in Human Stem Cells More Strongly Than in Differentiated Cells: Possible Mechanistic Link to Cancer Risk. Environmental Health Perspectives (Markova, Belyaev et al); 2010
105	6068-6069	Sep. 26, 2016	Angela Tsaing	Radiation Sickness - Children; Angela Tsiang Comments
106	6070-6071	Mar. 5, 2013	Abigail DeSesa	Radiation Sickness - Children; Abigail DeSesa Comments
107	6072-6111	Sep. 28, 2016	Kevin Mottus	Cell Towers - Research Abstract Compilation; 78 Studies Showing Health Effects from Cell Tower Radio Frequency Radiation; 2016
108	6112-6122	Sep. 3, 2013	Paul Dart MD	Cell Towers; Consequences of Chronic Microwave RF Exposure, Dr. Paul Dart MD. (Petitioner)

INDEX TO DEFERRED APPENDIX

109	6123-6132	Jul. 11, 2016	Environmental Health Trust	Cell Towers - Cancer; Meta-Analysis, Long-Term Exposure To Microwave Radiation Provokes Cancer Growth: Evidences From Radars And Mobile Communication Systems. (Yakymenko et al); 2011
110	6133-6148	Sep. 3, 2013	Monnie Ramsell	Cell Towers - Neurological; Changes of Clinically Important Neurotransmitters under the Influence of Modulated RF Fields, A Long-term Study under Real-life Conditions; Umwelt-Medizin-Gesellschaft; (Buchner & Eger); 2011
111	6148-6160	Dec. 10, 2018	Environmental Health Trust	Cell Towers - DNA; Impact of radiofrequency radiation on DNA damage and antioxidants in peripheral blood lymphocytes of humans residing in the vicinity of mobile phone base stations. Electromagnetic Biology and Medicine. (Zothansiana et al); 2017
112	6161-6169	Dec. 10, 2018	Environmental Health Trust	Cell Towers - Cancer; Environmental radiofrequency radiation at the Järntorget Square in Stockholm Old Town, Sweden in May, 2018 compared with results on brain and heart tumour risks in rats exposed to 1.8 GHz base station environmental emissions, World Academy of Sciences Journal. (Hardell et al); 2018

INDEX TO DEFERRED APPENDIX

113	6170-6258	Sep. 30, 2016	Catherine Kleiber	Cell Towers; Indian Government, Ministry of Environment and Forest, Report on Possible Impacts of Communication Towers on Wildlife Including Birds and Bees. 919 studies reviewed; 2011
114	6259-6260	Sep. 3, 2013	Kevin Mottus	Cell Towers; Epidemiological evidence for a health risk from mobile phone base stations, Int J Occup Environ Health. (Hardell et al); 2010
115	6261-6289	Sep. 16, 2019	Joel Moskowitz, PhD	Cell Towers; Biological Effects From Exposure to Electromagnetic Radiation Emitted By Cell Tower Base Stations and Other Antenna Arrays. Environ. Rev. (Lai & Levitt); 2010
116	6290-6301	Jul. 11, 2016	Environmental Health Trust	Cell Towers; Research Summaries of Cell Tower Radiation Studies
117	6302-6311	Sep. 30, 2016	Catherine Kleiber	Cell Towers-Wildlife; Electromagnetic Pollution From Phone Masts. Effects on Wildlife; Pathophysiology. (Dr. Alfonso Balmori); 2009
118	6312-6324	Jul. 18, 2106	Environmental Health Trust	Cell Towers - Wildlife; Testimony of Dr. Albert M. Manville, II, PhD., C.W.B, Before the City of Eugene City Planning Department in Opposition to AT&T/Crossfire's Application for a "Stealth" Cellular Communications Tower; May 6, 2015

INDEX TO DEFERRED APPENDIX

119	6325-6341	Sep. 30, 2016	Catherine Kleiber	Cell Towers - Plants; Radiofrequency Radiation Injures Trees Around Mobile Phone Base Stations. Science of the Total Environment. (Waldmann-Selsam et al); 2016
120	6342-6349	Apr. 8, 2014	M.K. Hickcox	Biosystem & Ecosystem; The Dangers of Electromagnetic Smog, Prof. Andrew Goldsworthy, PhD.; 2007
121	6350-6366	Sep. 3, 2013	The EMR Policy Institute	Biosystem and Ecosystem; Impacts of radio-frequency electromagnetic field (RF-EMF) from cell phone towers and wireless devices on biosystem and ecosystem – a review. Biology and Medicine (Sivani et al.); 2012
122	6367-6379	Oct. 1, 2018	Environmental Health Trust	5G; 5G wireless telecommunications expansion: Public health and environmental implications, Environmental Research. (Dr. Cindy Russell MD.); 2018
123	6380-6383	Oct. 18, 2019	Joel M. Moskowitz PhD	5G; We Have No Reason to Believe 5G is Safe, Dr. Joel Moskowitz PhD., Scientific American; 2019
124	6384-6392	Jul. 11, 2017	Environmental Health Trust	5G - Millimeter Waves; Nonthermal Effects of Extremely High-Frequency Microwaves on Chromatin Conformation in Cells in vitro—Dependence on Physical, Physiological, and Genetic Factors. IEEEExplore. (Belyaev et al); 2000

INDEX TO DEFERRED APPENDIX

125	6393-6408	Oct. 1, 2018	Environmental Health Trust	5G; What You Need To Know About 5G Wireless And “Small” Cells Top 20 Facts About 5G; Environmental Health Trust
126	6409-6429	Jan. 13, 2015	NYU Wireless	5G; Millimeter-Wave Cellular Wireless Networks: Potentials and Challenges, IEEE; (2014)
VOLUME 17 – Tabs 127 – 142 Part 1				
127	6430-6436	Jul. 13, 2016	Priscilla King	5G; FCC Chairman Tom Wheeler ‘The Future of Wireless: A Vision for U.S. Leadership in a 5G World’; 2016
128	6437-6447	Jul. 14, 2016	Angela Tsaing	5G; Letter to House Subcommittee on Communications and Technology; Angela Tsiang; 2016
129	6448-6453	Jan. 8, 2019	LeRoy Swicegood	5G; Ask Congress to Vote No, We Are The Evidence Fact Sheet; 2016
130	6454-6510	Jul. 13, 2016	Parents For Safe Technology	5G; 5G Spectrum Frontiers -The Next Great Unknown Experiment On Our Children, Compilation of Letters to Congress; 2016
131	6511-6513	Apr. 16, 2018	Theodora Scarato	5G;What You Need To Know About 5G Wireless and “Small” Cells
132	6514-6587	Sep. 28, 2016	Kevin Mottus	Wi-Fi; 136 Studies Showing Health Effects from Wi-Fi Radio Frequency Radiation

INDEX TO DEFERRED APPENDIX

133	6588-6603	Jul. 13, 2016	Parents For Safe Technology	Wi-Fi; 2.45-GHz Microwave Irradiation Adversely Affects Reproductive Function in Male Mouse, <i>Mus Musculus</i> by Inducing Oxidative and Nitrosative Stress. Free Radical Research (Shahin et al); 2014
134	6604-6611	Jul. 7, 2016	Environmental Health Trust	Wi-Fi - Fertility; Immunohistopathologic demonstration of deleterious effects on growing rat testes of radiofrequency waves emitted from conventional Wi-Fi devices. Journal of Pediatric Neurology. (Atasoy et al); 2013
135	6612-6620	Apr. 8, 2014	MK Hickox	Smart Meters: Correcting the Gross Misinformation, Letter by 54 Scientists and MDs; 2012
136	6621-6622	Nov. 18, 2013	Catherine Kleiber	Smart Meters - Radiation Sickness; American Academy of Environmental Medicine, Smart Meter Case Series; 2013
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INDEX TO DEFERRED APPENDIX

139	6700-6705	Jul. 7, 2016	Environmental Health Trust	Smart Meters - Radiation Sickness; Symptoms after Exposure to Smart Meter Radiation. Dr. Ron Powell PhD.; 2015
140	6706-6735	Sep. 3, 2013	Kit Weaver	Kit Weaver, Comments
141	6736-6740	Feb. 6, 2013	Joshua Hart	Organizations - Radiation Sickness; StopSmartMeters, Comments
142 Part 1	6741-6850	Sep. 28, 2016	Kevin Mottus	Cell Phones; Research Abstracts of Over 700 Studies Showing Health Effects from Cell Phone Radio Frequency Radiation; Prof. Henri Lai (Tab 142 Part 1)
VOLUME 18 – Tabs 142 Part 2 - 153				
142 Part 2	6851-7088	Sep. 28, 2016	Kevin Mottus	Cell Phones; Research Abstracts of Over 700 Studies Showing Health Effects from Cell Phone Radio Frequency Radiation; Prof. Henri Lai (Tab 142 Part 2)
143	7089-7099	Sep. 28, 2016	Kevin Mottus	Cancer - Brain Tumors; Using the Hill viewpoints from 1965 for evaluating strengths of evidence of the risk for brain tumors associated with the use of mobile and cordless phones. Rev Environ Health. (Hardell and Caarlsberg); 2013

INDEX TO DEFERRED APPENDIX

144	7100-7121	Nov. 18, 2013	Kevin Mottus	Cancer-Brain Tumors; Mobile phone use and brain tumour risk: early warnings, early actions? (Gee, Hardell Carlsberg) (Chapter 21 of Report: “Late lessons from early warnings: science, precaution”); 2013
145	7122-7134	Sep. 12, 2019	Environmental Health Trust	Cell Phones; Real-world cell phone radiofrequency electromagnetic field exposures. Environmental Research. (Wall et al); 2019
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INDEX TO DEFERRED APPENDIX

149	7184-7193	Sep. 28, 2016	Kevin Mottus	Cancer - Brain Tumors; Pooled Analysis of Two Swedish Case-Control Studies on the Use of Mobile and Cordless Telephones and the Risk of Brain Tumours Diagnosed During 1997-2003. International Journal of Occupational Safety and Ergonomics (Mild, Hardell, Carlsberg); 2007
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153	7252-7255	Jan 31, 2019	Julian Gehman	Jullian Gehman Esq. Comments
VOLUME 19 – Tabs 154-168				
154	7256-7371	Nov. 5, 2013	Joel M. Moskowitz Ph.D.	Dr. Joel Moskowitz PhD. Reply Comments, Why the FCC Must Strengthen Radiofrequency Radiation Limits in the U.S.

INDEX TO DEFERRED APPENDIX

155	7372-7414	Jun. 17, 2014	Environmental Working Group	Cancer - Children; Cell Phone Radiation: Science Review on Cancer Risks and Children's Health; Environmental Working Group; 2009
156	7415-7417	Sep. 30, 2016	Kevin Mottus	Cell Phones - Plants; Review: Weak Radiofrequency Radiation Exposure From Mobile Phone Radiation on Plants. Electromagnetic Biology and Medicine (Malka N. Halgamuge); 2016
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INDEX TO DEFERRED APPENDIX

161	7442-7445	Apr. 29, 2019	Environmental Health Trust	Testing – Children; Exposure Limits: The underestimation of absorbed cell phone radiation, especially in children. Electromagnetic Biology and Medicine (Gandhi et al); 2011
162	7446-7504	Nov. 17, 2013	Pong Research Corporation	Testing; Pong Research Corporation Reply Comments
163	7505-7514	Aug. 19, 2012	Pong Research Corporation	Testing; Pong Research Corporation, Letter to the FCC
164	7515-7602	Nov. 17, 2013	L. Lloyd Morgan	Environmental Health Trust, Reply Comments (Erroneous Comments Submitted to the FCC on Proposed Cellphone Radiation Standards and Testing by CTIA – September 3, 2013)
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167	7629-7640	Nov. 17, 2013	Consumers for Safe Cell Phones	Consumers for Safe Cell Phone Comments (Reply to CTIA Comments from Sep. 13, 2013)
168	7641-7672	Nov. 17, 2013	Environmental Working Group	Organizations; Environmental Working Group, Reply Comments

INDEX TO DEFERRED APPENDIX

VOLUME 20 - Tabs 169 – 172 Part 1				
169	7673-7682	Dec. 10, 2018	Environmental Health Trust	Industry Influence; World Health Organization, Radiofrequency Radiation and Health - a Hard Nut to Crack (Review). International Journal of Oncology. Prof. Lennart Hardell MD. PhD.; 2017
170	7683-7716	Nov. 18, 2013	Richard H. Conrad PhD	Industry Influence; Business Bias As Usual: The Case Of Electromagnetic Pollution. Prof. Levis, Prof. Gennaro, Prof. Garbisa
171	7717-7719	Sep. 3, 2013	The EMR Policy Institute	Industry Influence; Prof. Martha Herbert MD PhD., Harvard Pediatric Neurologist Letter to Los Angeles Unified School District; 2013
172 Part 1	7720-8073	Feb. 6, 2013	Dr. Donald R. Maisch PhD	Industry Influence; The Procrustean Approach: Setting Exposure Standards for Telecommunications Frequency Electromagnetic Radiation, Dr. Donald Maisch PhD.; 2009 (Tab 172 Part 1)
VOLUME 21 – Tabs 172 Part 2 - 185				
172 Part 2	8074-8158	Feb. 6, 2013	Dr. Donald R. Maisch PhD	Industry Influence; The Procrustean Approach: Setting Exposure Standards for Telecommunications Frequency Electromagnetic Radiation, Dr. Donald Maisch PhD.; 2009 (Tab 172 Part 2)
173	8159-8167	Sep. 29, 2016	Kevin Mottus	Industry Influence; Illusion and Escape: The Cell Phone Disease Quagmire. Dr. George L. Carlo PhD., JD.; 2008

INDEX TO DEFERRED APPENDIX

174	8168-8169	Nov. 18, 2013	Kevin Mottus	Industry Influence; Quote of Prof. Henry Lai PhD from NY Times Article about Percent of Negative Studies Funded By Industry; 2013
175	8170-8177	Nov 18, 2013	Kevin Mottus	Industry Influence; Warning: Your Cell Phone May Be Hazardous to Your Health. Christopher Ketcham, GQ; 2010
176	8178-8182	Sep. 3, 2013	Monnie Ramsell	Industry Influence; Radiation Protection in Conflict With Science; Dr. Franz Adlkofer PhD.; 2011
177	8183-8184	Mar. 21, 2019	Office of Engineering and Technology	US Agencies; Letter from the FCC's OET Dept. to Dr. Shuren of the FDA
178	8185-8188	Apr. 30, 2019	Center for Devices and Radiological Health	US Agencies; Letter from Dr. Shuren of the FDA to the FCC's OET Dept.
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INDEX TO DEFERRED APPENDIX

181	8378-8386	Sep. 29, 2016	Kevin Mottus	US Agencies; US Department of Interior, Letter of the Director of Office of Environmental Policy and Compliance; 2014
182	8387-8407	Mar. 4, 2013	Susan Brinchman, CEP	US Agencies; Department of the Army, Confidential Legal Correspondence, Dec. 13, 2006
183	8408-8411	Sep. 2, 2013	Kevin Mottus	US Agencies; US Environmental Protection Agency (EPA) Letter to EMR Network; Jul. 6, 2002
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185 Part 1	8425-8505	Jul. 7, 2016	Environmental Health Trust	US Agencies; US Naval Medical Research Institute. Bibliography of Reported Biological Phenomena (“Effects”) and Clinical Manifestations Attributed to Microwave and Radio-frequency Radiation; 1971 (Tab 185 Part 1)
VOLUME 22 – Tabs 185 Part 2 - 238				
185 Part 2	8506-8531	Jul. 7, 2016	Environmental Health Trust	US Agencies; US Naval Medical Research Institute. Bibliography of Reported Biological Phenomena (“Effects”) and Clinical Manifestations Attributed to Microwave and Radio-frequency Radiation; 1971 (Tab 185 Part 2)
186	8532-8636	Jul. 12, 2015	U.S. Department of Labor	US Agencies; US Department of Labor Comment

INDEX TO DEFERRED APPENDIX

187	8537-8539	Sep. 29, 2016	Kevin Mottus	Radiation Sickness; Exemption for Fire stations, California Assembly Bill No. 57 (2015), codified at Cal. Gov. Code 65964.1
188	8540-8546	Sep. 3, 2013	Susan D. Foster, MSW	Radiation Sickness - Firefighters; Susan Foster Comments
189	8547-8626	Jul. 7, 2016	Environmental Health Trust	Radiation Sickness; Electromagnetic Hypersensitivity, Dr. Erica Mallery-Blythe; 2014
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193	8642-8659	Jul. 13, 2016	Deborah Kopald	Radiation Sickness, Deborah Kopald Comments
194	8660-8662	Sep. 30, 2016	Ann Lee MD	Radiation Sickness - Children; Dr. Ann Lee MD. (Petitioner) Comments

INDEX TO DEFERRED APPENDIX

195	8663-8681	Sep. 3, 2013	Paul Dart MD.	Radiation Sickness; Health Effects of Microwave Radio Exposures. Dr. Paul Dart MD.(Petitioner) Comments
196	8682-8683	Sep. 4, 2013	Erica M. Elliott	Radiation Sickness; Dr. Erica Elliott MD. Comments
197	8684-8734	Sep. 16, 2019	Dr. Joel M. Moskowitz PhD.	Radiation Sickness; Electrohypersensitivity Abstracts; 2017
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200	8774-8778	Aug. 26, 2013	Sarah Jane Berd	Radiation Sickness; Sarah Jane Berd Comments
201	8779-8782	Feb. 4, 2013	Cynthia S Larson	Radiation Sickness; Cynthia S. Larson Comments
202	8783-8784	Oct. 3, 2016	Josh Fisher	Radiation Sickness; Josh Fisher Comments
203	8785-8787	Oct. 3, 2016	Paul Stanley	Radiation Sickness; Paul Stanley (Petitioner) Comments

INDEX TO DEFERRED APPENDIX

204	8788-8789	Nov. 25, 2013	Lynnell Rosser	Radiation Sickness; Lynnell Rosser Letter
205	8790-8796	Sep.12, 2013	Charyl Zehfus	Radiation Sickness; Charyl Zehfus Reply Comments
206	8797-8800	Sep. 4, 2013	Annie Starr	Radiation Sickness; Annie Starr Comments
207	8801-8802	Sep. 3, 2013	Rob Bland	Radiation Sickness; Rob Bland Comments
208	8803-8805	Sep. 3, 2013	Nancy Rose Gerler	Radiation Sickness; Nancy Rose Gerler Comments
209	8806-8811	Feb. 5, 2013	Monnie Ramsell	Radiation Sickness; Monnie Ramsell Comments
210	8812-8815	Sep. 3 2013	Miriam D. Weber	Radiation Sickness; Miriam D. Weber Comments
211	8816-8818	Sep. 3 2013	Junghie Elky	Radiation Sickness; Junghie Elky Comments
212	8819-8832	Aug. 30, 2013	Catherine Kleiber	Radiation Sickness; ADA/FHA Catherine Kleiber Comments
213	8833-8837	Sep. 3, 2013	Amanda & Ryan Rose	Radiation Sickness; Amanda & Ryan Rose Comments
214	8838-8842	Sep. 3, 2013	Cindy Bowman	Radiation Sickness; Cindy Bowman Comments
215	8843-8844	Sep. 3, 2013	Sue Martin	Radiation Sickness; Sue Martin Comments
216	8845-8846	Sep. 3, 2013	Richard Gaul	Radiation Sickness; Richard Gaul Comments

INDEX TO DEFERRED APPENDIX

217	8847-8848	Sep. 4 2013	Karen Strode	Radiation Sickness; Karen Strode Comments
218	8849-8850	Sep. 3, 2013	Jaime Schunkewitz	Radiation Sickness; Jaime Schunkewitz Comments
219	8851-8854	Aug. 13, 2013	Linda Bruce	Radiation Sickness; Linda Bruce Comments
220	8855-8858	Feb. 19, 2013	Louise Kiehl Stanphill	Radiation Sickness; Louise Kiehl Stanphill Reply Comments
221	8859-8862	Feb. 7, 2013	Diana LeRoss	Radiation Sickness; Diana LeRoss Comments, Feb. 7, 2013
222	8863-8866	Jun. 17, 2013	Marc Sanzotta	Radiation Sickness; Marc Sanzotta Comments
223	8867-8868	Aug. 11, 2016	Barbara A. Savoie	Radiation Sickness; Barbara A. Savoie Comments
224	8869-8885	Jul. 13, 2016	R. Kay Clark	Radiation Sickness; R. Kay Clark Comments
225	8886-8887	Sep. 3, 2013	Steve & Juleen Ross	Radiation Sickness; Steve & Juleen Ross Comments
226	8888-8892	Sep. 3, 2013	Kathy Ging	Radiation Sickness; Kathy Ging Comments
227	8893-8895	Sep. 3, 2013	Jeraldine Peterson-Mark	Radiation Sickness; Jeraldine Peterson-Mark Comments
228	8896-8900	Sep. 3, 2013	Edward G.	Radiation Sickness; Edward G. Comments
229	8901-8903	Sep. 4, 2013	D. Yourovski	Radiation Sickness; D. Yourovski Comments

INDEX TO DEFERRED APPENDIX

230	8904-8907	Sep. 3, 2013	Ellen K. Marks	Radiation Sickness; Ellen K. Marks Comments
231	8908-8911	Sep. 3, 2013	Melody Graves	Radiation Sickness; Melody Graves Comments
232	8912-8913	Sep. 3, 2013	Bernadette Johnston	Radiation Sickness; Bernadette Johnston Comments
233	8914-8916	Sep. 3, 2013	Shane Gregory	Radiation Sickness; Shane Gregory Comments
234	8917-8918	Sep. 3, 2013	Layna Berman	Radiation Sickness; Layna Berman Comments
235	8919-8922	Sep. 3, 2013	Linda Giannoni	Radiation Sickness; Linda Giannoni Comments
236	8923-8925	Sep. 3, 2013	Jennifer Page	Radiation Sickness; Jennifer Page Comments
237	8926-8928	Sep. 3, 2013	Jackie Seward	Radiation Sickness; Jackie Seward Comments
238	8929-8931	Sep. 3, 2013	Elizabeth Feudale	Radiation Sickness; Elizabeth Feudale Comments
VOLUME 23 – Tabs 239-315				
239	8932-8933	Sep. 3, 2013	Brent Dalton	Radiation Sickness; Brent Dalton Comments
240	8934-8937	Sep. 3, 2013	Elizabeth Barris	Radiation Sickness; Elizabeth Barris (Petitioner) Comments
241	8938-8940	Sep. 3, 2013	Olemara	Radiation Sickness; Olemara Comments
242	8941-8943	Aug. 14, 2013	Melissa White	Radiation Sickness; Melissa White Comments

INDEX TO DEFERRED APPENDIX

243	8944-8946	Jun. 4, 2013	Carol Moore	Radiation Sickness; Carol Moore Comments
244	8947-8952	Mar. 7, 2013	Michele Hertz	Radiation Sickness; Michele Hertz (Petitioner) Comments
245	8953-8955	Mar. 4, 2013	B.J. Arvin	Radiation Sickness; B.J. Arvin Reply Comments
246	8956-8959	Feb. 12, 2013	Suzanne D. Morris	Radiation Sickness; Suzanne D. Morris Comments
247	8960-8962	Feb. 7, 2013	Tom Creed	Radiation Sickness; Tom Creed Comments
248	8963-8967	Feb. 6, 2013	Julie Ostoich	Radiation Sickness; Julie Ostoich Comments
249	8968-8981	Feb. 6, 2013	Kathleen M. Sanchez	Radiation Sickness; Kathleen M. Sanchez Comments
250	8982-8985	Feb. 6, 2013	John Edward Davie	Radiation Sickness; John Edward Davie Comments
251	8986-8989	Feb. 6, 2013	Alison L. Denning	Radiation Sickness; Alison L. Denning Comments
252	8990-9012	Feb. 6, 2013	Susan Brinchman, CEP	Radiation Sickness; Susan Brinchman Comments
253	9013-9016	Feb. 6, 2013	Terilynn Langsev	Radiation Sickness; Terilynn Langsev Comments
254	9017-9020	Feb. 6, 2013	Beth Ann Tomek	Radiation Sickness; Beth Ann Tomek Comments
255	9021-9025	Feb. 5, 2013	Sandra Storwick	Radiation Sickness; Sandra Storwick Comments

INDEX TO DEFERRED APPENDIX

256	9026-9029	Feb. 5, 2013	Odessa Rae	Radiation Sickness; Odessa Rae Comments
257	9030-9033	Feb. 5, 2013	Kenneth Linoski	Radiation Sickness; Kenneth Linoski Comments
258	9034-9039	Feb. 6, 2013	Elissa Michaud	Radiation Sickness; Elissa Michaud Comments
259	9040-9043	Feb. 5, 2013	Ella Elman	Radiation Sickness; Ella Elman Comments
260	9044-9047	Feb. 5, 2013	Andrew Swerling	Radiation Sickness; Andrew Swerling Comments
261	9048-9051	Feb. 5, 2013	Natalie Smith	Radiation Sickness; Natalie Smith Comments
262	9052-9055	Feb. 4, 2013	Mana Iluna	Radiation Sickness; Mana Iluna Comments
263	9056-9059	Feb. 4, 2013	Jayne G. Cagle	Radiation Sickness; Jayne G. Cagle Comments
264	9060-9063	Feb. 4, 2013	Mark Summerlin	Radiation Sickness; Mark Summerlin Comments
265	9064-9067	Feb. 4, 2013	Lashanda Summerlin	Radiation Sickness; Lashanda Summerlin Comments
266	9068-9071	Feb. 4, 2013	Kath Mason	Radiation Sickness; Kath Mason Comments
267	9072-9084	Nov. 1, 2013	Daniel Kleiber	Radiation Sickness; Daniel Kleiber Reply Comments
268	9085-9086	Sep.3, 2013	Susan MacKay	Radiation Sickness; Susan MacKay Comments

INDEX TO DEFERRED APPENDIX

269	9087-9091	Mar. 4, 2013	Theresa McCarthy	Radiation Sickness; Theresa McCarthy Reply Comments
270	9092-9093	Jul. 11, 2016	L S Murphy	Radiation Sickness; L S Murphy Comments
271	9094-9096	Aug. 30, 2013	Patricia B. Fiskén	Radiation Sickness; Patricia B. Fiskén Comments
272	9097-9098	Sep. 3, 2013	Linda Hart	Radiation Sickness; Linda Hart Comments
273	9099-9101	Aug. 19, 2013	E Renaud	Radiation Sickness; E Renaud Comments
274	9102-9108	Aug. 13, 2013	Nicole Nevin	Radiation Sickness; Nicole Nevin Comments
275	9109-9110	Sep. 30, 2016	Robert VanEchaute	Radiation Sickness; Robert VanEchaute Comments
276	9111-9112	Sep. 6, 2016	Daniel Berman	Radiation Sickness; Daniel Berman Comments
277	9113-9116	Sep. 3, 2013	Edna Willadsen	Radiation Sickness; Edna Willadsen Comments
278	9117-9118	Aug. 30, 2013	Susan Molloy	Radiation Sickness; Susan Molloy Comments
279	9119-9120	Sep. 3, 2013	Kathleen Christofferson	Radiation Sickness; Kathleen Christofferson Comments
280	9121-9122	Sep. 3, 2013	Juli Johnson	Radiation Sickness; Juli Johnson Comments
281	9123-9124	Sep. 3, 2013	Annalee Lake	Radiation Sickness; Annalee Lake Comments

INDEX TO DEFERRED APPENDIX

282	9125-9126	Aug. 22, 2013	Alan Marks	Radiation Sickness; Alan Marks Comments
283	9127-9128	Jun. 10, 2013	Peggy McDonald	Radiation Sickness; Peggy McDonald Comments
284	9129-9131	Feb. 26, 2013	Mark Zehfus	Radiation Sickness; Mark Zehfus Reply Comments
285	9132-9137	Feb. 6, 2013	Jennifer Zmarzlik	Radiation Sickness; Jennifer Zmarzlik Comments
286	9138-9142	Feb. 6, 2013	Catherine E. Ryan	Radiation Sickness; Catherine E. Ryan Comments
287	9143-9148	Feb. 6, 2013	L. Meade	Radiation Sickness; L. Meade Comments
288	9149-9150	Sep. 3, 2013	Arthur Firstenberg	Radiation Sickness; Arthur Firstenberg Comments
289	9151-9152	Mar. 5, 2013	Jeromy Johnson	Radiation Sickness; Jeromy Johnson Reply Comments
290	9153-9154	Sep. 26, 2016	Jeanne Insenstein	Radiation Sickness; Jeanne Insenstein Comments
291	9155-9159	Nov. 18, 2013	Angela Flynn	Radiation Sickness; Angela Flynn Reply Comments
292	9160-9162	Sep. 4, 2013	Kathryn K. Wesson	Radiation Sickness; Kathryn K. Wesson Comments
293	9163-9165	Sep. 3, 2013	Diane St. James	Radiation Sickness; Diane St. James Comments
294	9166-9168	Sep. 3, 2013	Christine Hoch	Radiation Sickness; Christine Hoch Comments
295	9169-9180	Sep. 3, 2013	Arlene Ring	Radiation Sickness; Arlene Ring Comments

INDEX TO DEFERRED APPENDIX

296	9181-9182	Sep. 3, 2013	Victoria Jewett	Radiation Sickness; Victoria Jewett Comments
297	9183-9185	Sep. 3, 2013	Michael J. Hazard	Radiation Sickness; Michael J. Hazard Comments
298	9186-9187	Aug. 30, 2013	Melinda Wilson	Radiation Sickness; Melinda Wilson Comments
299	9188-9191	Aug. 30, 2013	Maggi Garloff	Radiation Sickness; Maggi Garloff Comments
300	9192-9199	Sep. 3, 2013	Holly Manion	Radiation Sickness & ADA/FHA; Holly Manion Comments
301	9200-9203	Aug. 22, 2013	James Baker	Radiation Sickness; James Baker Comments
302	9204-9254	Jul. 19, 2013	Deborah Cooney	Radiation Sickness; Deborah Cooney, Verified Complaint, <i>Cooney v. California Public Utilities Commission et al</i> , No. 12-cv-06466-CW, U.S.D.C. N.D. Cal. (Dec 17, 2012)
303	9255-9258	Jun. 13, 2013	Mardel DeBuhr	Radiation Sickness; Mardel DeBuhr Comments
304	9259-9260	Jun. 10, 2013	Richard Wolfson	Radiation Sickness; Richard Wolfson Comments
305	9261-9264	Mar. 7, 2013	James E. Peden	Radiation Sickness; James E. Peden Reply Comments
306	9265-9266	Mar. 5, 2013	Carl Hilliard	Radiation Sickness; Carl Hilliard Comments
307	9267-9268	Mar. 4, 2013	Lisa Horn	Radiation Sickness; Lisa Horn Comments

INDEX TO DEFERRED APPENDIX

308	9269-9274	Feb. 27, 2013	Alexandra Ansell	Radiation Sickness; Alexandra Ansell Reply Comments
309	9275-9278	Feb. 25, 2013	Patricia A. Ormsby	Radiation Sickness; Patricia A. Ormsby Reply Comments
310	9279-9282	Feb. 14, 2013	Annette Jewell-Ceder	Radiation Sickness; Annette Jewell-Ceder Reply Comments
311	9283-9286	Feb. 6, 2013	Max Feingold	Radiation Sickness; Max Feingold Comments
312	9287-9300	Feb. 6, 2013	Annallys Goodwin-Landher	Radiation Sickness; Annallys Goodwin-Landher Comments
313	9301-9316	Feb. 4, 2013	Rebecca Morr	Radiation Sickness; Rebecca Morr Comments
314	9317-9320	Feb. 5, 2013	Josh Finley	Radiation Sickness; Alexandra Ansell Reply Comments
315	9321-9331	Feb. 5, 2013	Donna L. Bervinchak	Radiation Sickness; Donna L. Bervinchak Comments
VOLUME 24 – Tabs 316-377				
316	9332-9334	Feb. 5, 2013	Catherine Morgan	Radiation Sickness; Catherine Morgan Comments
317	9335-9338	Feb. 5, 2013	Angelica Rose	Radiation Sickness; Angelica Rose Comments
318	9339-9341	Feb. 5, 2013	Brian J. Bender	Radiation Sickness; Brian J. Bender Comments
319	9342-9343	Jul. 11, 2016	Maggie Connolly	Radiation Sickness; Maggie Connolly Comments

INDEX TO DEFERRED APPENDIX

320	9344-9345	Sep. 3, 2013	Gregory Temmer	Radiation Sickness; Gregory Temmer Comments
321	9346-9347	Sep. 3, 2013	Bernice Nathanson	Radiation Sickness; Bernice Nathanson Comments
322	9348-9350	Sep. 3, 2013	Terry Losansky	Radiation Sickness; Terry Losansky Comments
323	9351-9352	Sep. 3, 2013	Ronald Jorstad	Radiation Sickness; Ronald Jorstad Comments
324	9353-9354	Jul. 8, 2013	Liz Menkes	Radiation Sickness; Liz Menkes Comments
325	9355-9356	Sep. 3, 2013	Katie Mickey	Radiation Sickness; Katie Mickey Comments
326	9357-9360	Sep. 3, 2013	Karen Nold	Radiation Sickness; Karen Nold Comments
327	9361-9362	Jul. 8, 2013	David DeBus, PhD.	Radiation Sickness; David DeBus, Ph.D. Comments
328	9363-9365	Jun. 20, 2013	Jamie Lehman	Radiation Sickness; Jamie Lehman Comments
329	9366-9367	Jun. 12, 2013	Jane van Tamelen	Radiation Sickness; Jane van Tamelen Comments
330	9368-9379	Jun. 10, 2013	Sebastian Sanzotta	Radiation Sickness; Sebastian Sanzotta Comments
331	9380-9383	Mar. 7, 2013	Taale Laafi Rosellini	Radiation Sickness; Taale Laafi Rosellini Reply Comments
332	9384-9387	Mar. 7, 2013	Robert E. Peden	Radiation Sickness; Robert E. Peden Reply Comments

INDEX TO DEFERRED APPENDIX

333	9388-9391	Mar. 7, 2013	Marilyn L. Peden	Radiation Sickness; Marilyn L. Peden Reply Comments
334	9392-9393	Mar. 5, 2013	Doreen Almeida	Radiation Sickness; Doreen Almeida Reply Comments
335	9394-9395	Mar. 5, 2013	Oriannah Paul	Radiation Sickness; Oriannah Paul Comments
336	9396-9397	Sep. 3, 2013	Heather Lane	Radiation Sickness; Heather Lane Comments
337	9398-9399	Aug. 15, 2013	John Grieco	Radiation Sickness; John Grieco Comments
338	9400-9401	Sep. 29, 2016	Linda Kurtz	Radiation Sickness & ADA/FHA; Linda Kurtz Comments
339	9402-9406	Feb. 5, 2013	Lisa Drodt-Hemmele	Radiation Sickness & ADA/FHA; Lisa Drodt-Hemmele Comments
340	9407-9409	Aug. 26, 2013	Robert S Weinhold	Radiation Sickness & ADA/FHA; Robert S Weinhold Comments
341	9410-9411	Jul. 12, 2016	Dianne Black	Radiation Sickness & ADA/FHA; Dianne Black Comments
342	9412-9415	Jul. 13, 2016	Derek C. Bishop	Radiation Sickness & ADA/FHA; Derek C. Bishop Comments
343	9416-9435	Aug. 21, 2013	Steven Magee	Radiation Sickness & ADA/FHA; Steven Magee Comments
344	9436-9437	Sep. 3, 2013	Melissa Chalmers	Radiation Sickness & ADA/FHA; Melissa Chalmers Comments

INDEX TO DEFERRED APPENDIX

345	9438-9440	Aug. 30, 2013	Garril Page	Radiation Sickness & ADA/FHA; Garril Page Comments
346	9441-9444	Sep. 5, 2013	Laddie W. Lawings	Radiation Sickness & ADA/FHA; Laddie W. Lawings Comments
347	9445-9446	Sep. 4, 2018	Fern Damour	Radiation Sickness & ADA/FHA; Fern Damour Comments
348	9447-9449	Aug. 28, 2013	Rebecca Rundquist	Radiation Sickness & ADA/FHA; Rebecca Rundquist Comments
349	9450-9451	Sep. 3, 2013	JoAnn Gladson	Radiation Sickness & ADA/FHA; JoAnn Gladson Comments
350	9452-9453	Jul. 13, 2016	Jonathan Mirin	Radiation Sickness & ADA/FHA; Jonathan Mirin Comments
351	9454-9455	Jul. 12, 2016	Mary Adkins	Radiation Sickness & ADA/FHA; Mary Adkins Comments
352	9456-9458	Sep. 3, 2013	Ian Greenberg	Radiation Sickness & ADA/FHA; Ian Greenberg Comments
353	9459-9462	Sep. 3, 2013	Helen Sears	Radiation Sickness & ADA/FHA; Helen Sears Comments
354	9463-9464	Mar. 4, 2013	Janet Johnson	Radiation Sickness & ADA/FHA; Janet Johnson Comments
355	9465-9467	Aug. 20, 2013	Mr. and Mrs. Gammone	Radiation Sickness & ADA/FHA; Mr. and Mrs. Gammone Comments
356	9468-9475	Sep. 10, 2013	Shelley Masters	Radiation Sickness - Disability; Shelley Masters Comments

INDEX TO DEFERRED APPENDIX

357	9476-9479	Sep. 12, 2016	Tara Schell & Kathleen Bowman	Radiation Sickness; Disability; Tara Schell & Kathleen Bowman Comments
358	9480-9481	Feb. 6, 2013	Patricia Burke	Radiation Sickness; Disability; Patricia Burke Comments
359	9482-9484	Aug. 19, 2013	Deirdre Mazzetto	Radiation Sickness; Disability; Deirdre Mazzetto Comments
360	9485-9486	Mar. 5, 2013	Jim and Jana May	Radiation Sickness; Disability; Jim and Jana May Comments
361	9487-9488	Jun. 10, 2013	Lisa M. Stakes	Radiation Sickness; Disability; Lisa M. Stakes Comments
362	9489-9490	Sep. 3, 2013	Veronica Zrnchik	Radiation Sickness; Disability; Veronica Zrnchik Comments
363	9491-9493	Sep. 12, 2013	J.A. Wood	Radiation Sickness; Disability; J.A. Wood Comments
364	9494-9495	Jul. 3, 2016	Sherry Lamb	Radiation Sickness; Disability; Sherry Lamb Comments
365	9496-9500	Aug. 28, 2013	April Rundquist	Radiation Sickness; Disability; April Rundquist Comments
366	9501-9502	Jul. 21, 2016	Charlene Bontrager	Radiation Sickness; Disability; Charlene Bontrager Comments
367	9503-9506	Jun. 19, 2013	Michelle Miller	Radiation Sickness; Disability; Michelle Miller Comments

INDEX TO DEFERRED APPENDIX

368	9507-9514	Sep. 3, 2013	James C. Barton	Radiation Sickness; Disability; James C. Barton Comments
369	9515-9526	Sep. 3, 2013	Diane Schou	Radiation Sickness; Disability; Diane Schou Comments
370	9527-9532	Jun. 24, 2013	Alison Price	Radiation Sickness; Disability; Alison Price Comments
371	9533-9535	Sep. 10, 2013	Shari Anker	Radiation Sickness; Disability; Shari Anker Comments
372	9536-9538	Aug. 30, 2013	Paul Vonharnish	Radiation Sickness; Disability; Paul Vonharnish Comments
373	9539-9548	Aug. 26, 2013	Heidi Lumpkin	Radiation Sickness; Disability; Heidi F. Lumpkin, Comments
374	9549-9550	Sep. 3, 2013	Kaitlin Losansky	Radiation Sickness; Disability; Kaitlin Losansky Comments
376	9551-9556	Nov. 12, 2012	Monise Sheehan	Radiation Sickness; Disability; Monise Sheehan Testimonial
376	9557-9558	Mar. 1, 2013	Ruthie Glavinich	Radiation Sickness; Disability; Ruthie Glavinich Comments
377	9559-9682	Sep. 3, 2013	Ed Friedman	Radiation Sickness; Testimonials of Nine People; 2013
VOLUME 25 – Tabs 378-404				
378	9683-9771	Sep. 3, 2013	Ed Friedman	Radiation Sickness; Testimonials of Twelve People; 2013
379	9772-9854	Sep. 3, 2013	Ed Friedman	Radiation Sickness; Testimonials of Nine People; 2013

INDEX TO DEFERRED APPENDIX

380	9855-9936	Sep. 28, 2016	Kevin Mottus	Radiation Sickness; Testimonials of Twenty People, Collected by StopSmartMeters; 2013
381	9937-9938	Sep. 3, 2013	Amanda & Ryan Rose	Radiation Sickness: Doctor's Diagnosis Letter for Peter Rose; 2010
382	9939-9940	Jun. 10, 2013	Steven Magee	Radiation Sickness; Doctor's Diagnosis Letter for Steven Magee
383	9941-9964	Sep. 30, 2016	Patricia Burke	European Manifesto in support of a European Citizens' Initiative (ECI)
384	9965-10012	Jul. 7, 2016	Environmental Health Trust	ADA/FHA; Verified Complaint, <i>G v. Fay Sch., Inc.</i> , No. 15-CV-40116-TSH (U.S.D.C. Mass. Aug. 12, 2015)
385	10013-10015	Aug. 13, 2013	John Puccetti	ADA/FHA; Organizations; American Academy of Environmental Medicine, Letter to the FCC
386	10016-10018	Feb. 5, 2013	Rachel Nummer	ADA/FHA; Rachel Nummer Comments
387	10019-10023	Feb. 5, 2013	Barbara Schnier	ADA/FHA; Southern Californians for a Wired Solution to Smart Meters Comments
388	10024-10057-	Feb. 5, 2013	Barbara Schnier	ADA/FHA; Opening Brief of Southern Californians for Wired Solutions to Smart Meters, Application 11-03-014 (July 19, 2012)
389	10058-10066	Sep. 2, 2013	Barbara Li Santi	ADA/FHA; Barbara Li Santi Comments
390	10067-10077	Oct. 22, 2013	Kit T. Weaver	ADA/FHA; Kit T. Weaver, Reply Comments

INDEX TO DEFERRED APPENDIX

391	10078-10086	Mar. 3, 2013	Sandra Schmidt	ADA/FHA; Sandra Schmidt Reply Comments
392	10087-10099	Feb. 11, 2013	Antoinette Stein	ADA/FHA; Antoinette Stein Comments
393	10100-10103	Feb. 5, 2013	David Morrison	ADA/FHA; David Morrison Comments
394	10104-10107	Apr. 16, 2014	MK Hickox	MK Hickox Reply Comments
395	10108-10009	Sep. 3, 2013	Annemarie Weibel	ADA/FHA; Annemarie Weibel Comments
396	10110 - 10117	Sep. 3, 2013	Omer Abid, MD, MPH	Individual Rights; Dr. Omer Abid MD. MPH Comments
397	10118-10120	Sep. 2, 2013	John A. Holeton	Individual Rights; John & Pauline Holeton Comments
398	10121-10129	Sep. 2, 2013	Grassroots Environmental Education, Inc. o/b/o Nancy Naylor	Individual Rights; Nancy Naylor Comments
399	10130-10143	Sep. 2, 2013	Deborah M. Rubin	Individual Rights; Deborah M. Rubin Comments
400	10,144-10149	Sep. 2, 2013	Kevin Mottus	Individual Rights; Kevin Mottus Comments
401	10150 - 10157	Aug. 30, 2013	Alexandra Ansell	Individual Rights; Alexandra Ansell Comments
402	10158-10161	Aug. 25, 2013	Steen Hviid	Individual Rights; Steen Hviid Comments
403	10162-10165	Aug. 21, 2013	Molly Hauck	Individual Rights; Molly Hauck Comments

INDEX TO DEFERRED APPENDIX

404	10166-10171	Feb. 5, 2013	Olle Johansson	Individual Rights; Prof. Olle Johansson PhD., Comments
VOLUME 26 – Tabs 405-443				
405	10172-10174	Mar. 4, 2013	R.Paul and Kathleen Sundmark	Individual Rights; R. Paul and Kathleen Sundmark Reply Comments
406	10175-10180	Feb. 5, 2013	Cynthia Edwards	Individual Rights & ADA; Cynthia Edwards Comments
407	10181-10185	Feb. 4, 2013	Diana Ostermann	Individual Rights; Diana Ostermann Comments
408	10186-10193	Jul. 13, 2016	Chris Nubbe	Individual Rights; Chris Nubbe Comments
409	10194-10201	Nov. 17, 2013	Katie Singer	Individual Rights & ADA; Katie Singer Comments
410	10202-10203	Aug. 21, 2013	John Puccetti	Individual Rights; BC Human Rights Tribunal approves smart meter class action, Citizens for Safe Technology
411	10204-10207	Sep. 30, 2016	Catherine Kleiber	Individual Rights; Wireless Technology Violates Human Rights, Catherine Kleiber
412	10208-10212	Oct. 28, 2013	Kate Reese Hurd	Individual Rights; Kate Reese Hurd Comments
413	10213-10214	Sep. 30, 2016	Patricia Burke	Individual Rights; Wireless ““Revolution” Must Be Supported by Scientific Proof of Safety for Human Health and the Environment, Patricia Burke

INDEX TO DEFERRED APPENDIX

414	10215-10216	Sep. 3, 2013	Ed Friedman	Individual Rights; Transcript of Hearing, Vol. 10, Application 11-03-014, Application of Pacific Gas and Electric Company for Approval of Modifications to its SmartMeter™ Program and Increased Revenue Requirements to Recover the Costs of the Modifications, California Public Utilities Commission; Dec. 20, 2012
415	10235-10248	Dec. 1, 2013	Julienne Battalia	Individual Rights; Letter of Complaint and Appeal, and Notice of Liability Regarding ‘Smart Meter’ and Wireless Networks, Julienne Battalia, Washington State
416	10249-10270	Jul. 7, 2016	Environmental Health Trust	Precautionary Principle; Mobile Phone Infrastructure Regulation in Europe: Scientific Challenges and Human Rights Protection, Professor Susan Perry, (international human rights law) Professor Claudia Roda (Impacts of digital technology on human behavior and social structure)
417	10271-10275	Jul. 11, 2016	Environmental Health Trust	Precautionary Principle; Wi-Fi - Children; Saying Good-Bye to WiFi A Waldorf School Takes a Precautionary Step, Dr. Ronald E. Koetzsch PhD.

INDEX TO DEFERRED APPENDIX

418	10276-10290	Jul. 7, 2016	Environmental Health Trust	Precautionary Principle; Wireless Devices, Standards, and Microwave Radiation in the Education Environment, Dr. Gary Brown, Ed.D. (Instructional Technologies and Distance Education)
419	10291-10294	Nov. 18, 2013	Richard H. Conrad, Ph.D.	Precautionary Principle; Dr. Richard H. Conrad Reply Comments
420	10295-10304	Sep. 3, 2013	Holly Manion	Precautionary Principle; Smart Meters-Firefighters; Letter from Susan Foster to San Diego Gas & Electric, California Public Utilities Commission; Nov. 8, 2011
421	10305-10348	Jul. 7, 2016	Environmental Health Trust	Precautionary Principle; Letter to the Montgomery County Board of Education Members, Theodora Scarato
422	10349-10352	Oct. 30, 2013	Diane Hickey	Precautionary Principle; Diane Hickey Comments
423	10353-10356	Sep. 3, 2013	Monnie Ramsell	Precautionary Principle; Monnie Ramsell Comments
424	10357-10409	Aug. 29, 2013	Kevin Kunze	Precautionary Principle; Kevin Kunze Comments
425	10410-10429	Feb. 6, 2013	Clara De La Torre	Precautionary Principle; Clara de La Torre Comments
426	10430-10431	Sep. 30, 2016	Center for Safer Wireless	Precautionary Principle; Center for Safer Wireless Comments

INDEX TO DEFERRED APPENDIX

427	10432-10440	Sep. 27, 2016	Gary C. Vesperman	Precautionary Principle; Possible Hazards of Cell Phones and Towers, Wi-Fi, Smart Meters, and Wireless Computers, Printers, Laptops, Mice, Keyboards, and Routers Book Three, Gary Vesperman Comments
428	10441-10443	Jul. 11, 2016	Cecelia Doucette	Precautionary Principle; Cecelia Doucette Comments
429	10444-10446	Aug. 31, 2016	Chuck Matzker	Precautionary Principle; Chuck Matzker Comments
430	10447-10460	Sep. 3, 2013	Diane Schou	Precautionary Principle; Dr. Diane Schou PhD, Dr. Bert Schou, PhD., Comments (letter sent to FCC's OET)
431	10461-10465	Sep. 3, 2013	Evelyn Savarin	Precautionary Principle; Evelyn Savarin Comments
432	10466-10468	Jun. 19, 2013	Jamie Lehman	Precautionary Principle; Jamie Lehman, Comments
433	10469-10470	Mar. 7, 2013	Marlene Brenhouse	Precautionary Principle; Marlene Brenhouse, Comments
434	10471-10474	Jul. 11, 2016	Lynn Beiber	Precautionary Principle; Lynn Beiber Comments
435	10475-10489	Sep. 2, 2013	Kevin Mottus	Precautionary Principle; Kevin Mottus Comments
436	10490-10491	Jul.13, 2016	Mary Paul	Precautionary Principle; Mary Paul, Comments
437	10492-10493	Jul. 11, 2016	Stephanie McCarter	Precautionary Principle; Stephanie McCarter Comments

INDEX TO DEFERRED APPENDIX

438	10494-10496	Feb. 4, 2013	Rebecca Morr	Precautionary Principle; Rebecca Morr Comments
439	10497-10505	Feb. 3, 2013	Nancy Baer	Precautionary Principle; Nancy Baer Comments
440	10506-10507	Sep. 2, 2013	Holly LeGros	Precautionary Principle; Holly LeGros Comments
441	10508-10509	Aug. 18, 2013	Loe Griffith	Precautionary Principle; Loe Griffith Comments
442	10510-10555	Nov. 18, 2013	EMR Policy Institute	EMR Policy Institute Reply Comments
443	10566-10572	Sep. 3, 2013	Leslee Cooper	Leslee Cooper Comments

Radiation Sickness; Testimonials of Nine People; 2013

**PRE-FILED TESTIMONY
OF [REDACTED]
MPUC Docket No. 2011-00262**

1 **Q. Please state your name and address.**

2 **A. [REDACTED]**

3 **Q. Was a CMP smart meter installed at your residence?**

4 **A. Yes. I was not advised when it was done, but I believe it was installed in April or May**
5 **of 2012.**

6 **Q. Had you asked CMP to not install the meter?**

7 **A. Yes. I contacted CMP in the Spring of 2011 and told them that my wife had lived**
8 **through a brain tumor and we did not want to risk any complications caused by radio**
9 **frequency waves from a smart meter. They wrote back to in March of 2011 (see**
10 **attached) agreeing not to install the meter until further notice. They sent me a form letter**
11 **in early 2012 saying the meter would be installed unless I paid “opt-out fees.” I called to**
12 **complain but they said it was “take it or leave it.” I finally wrote back in February, 2012**
13 **(see attached) saying do what you have to do. I signed under protest. I cannot afford the**
14 **special fees on my fixed income retirement.**

15 **Q. Please describe why you do not want a smart meter at your residence.**

16 **A. My wife was diagnosed with a brain tumor in 1983 and God miraculously healed her**
17 **less than a week before surgery. The meter on our house is right outside our bedroom**
18 **window, not more than seven feet from her head as she sleeps. I am aware of some of**
19 **the risks associated with radio frequency waves. I am a retired [REDACTED]**
20 **Director. I remember a PR story we did many years ago about an early warning radar**
21 **system developed by Raytheon in Massachusetts. I remember clearly talking with**

1 people at the site in which it was mentioned that there was a poultry farm nearby and
2 that many of the poultry became sterile.

3 Also, my father-in-law, now deceased, holds original patents on radar. I
4 remember conversations with him on his work. Talking about one Raytheon story with
5 him, it became apparent that there were serious questions about the little-known
6 biological effects that radar can have.

7 **Q. Please tell us anything else that you want us or the Public Utilities Commission to**
8 **know about your experiences and circumstances.**

9 **A.** The complete indifference on the part of all parties to our concerns. They could care
10 less. The moral indifference is appalling and shows extremely poor corporate ethics.
11 We are still very concerned. The least they could do is put a shield between the meter
12 and our bedroom, which I had requested them to do.

13 We are watching the situation closely

Dated this 17 day of January, 2013.

STATE OF MAINE
YORK, ss:

January 17, 2013

Personally appeared the above-named [REDACTED] and stated under oath that the foregoing Affidavit made by him is true and based upon his own personal knowledge, information or belief, and so far as upon information and belief, he believes the information to be true. Before me,

Constance Y. Brine

Notary Public/Attorney-at-Law

CONSTANCE Y. BRINE

Name Typed or Printed

My Commission Expires: Feb 29, 2016

CONSTANCE Y. BRINE
Notary Public, Maine
My Commission Expires February 29, 2016

2

PRE-FILED DIRECT TESTIMONY
OF [REDACTED]
MPUC Docket No. 2011-00262

1 **Q. Please state your name, address and occupation.**

2 A. [REDACTED]
3

4 **Q. Was a smart meter installed at your residence? If so, state approximately the**
5 **date when it was installed.**

6 A. SCE&G/SCANA without my consent or knowledge installed an AMR on my gas
7 meter in December of 2009 and an AMR on my electric meter in January of 2010.

8 My three requests to have the AMR meters removed for dire medical
9 reasons and the request of my physician to have the meters removed from my
10 home were not honored and I was forced to abandon my home.

11 **Q. Please describe why you do not want a smart meter at your residence.**

12 A. In February of 2010, not long after the AMR meters were installed, I became very
13 sick. It started out like a flu virus. I had a fever and my body was aching all over.
14 Then all the joints in my body became swollen and incredibly painful: my fingers,
15 hands, wrists, feet, and even my head was swollen. I was in excruciating pain. I
16 lay in bed for six months crying. I had a rash all over my torso and arms. Due to
17 the lack of strength in my hands, I could not drive or even peel an apple. I had the
18 worst headache of my life. It took a year and a half for the pain and swelling in
19 my joints to subside.

1 I was constantly sick with colds and the flu. I had horrible nausea and
2 fatigue. My eyes hurt and were often very red. My throat was always sore. I
3 developed a sensitivity to sound that persists today.

4 Six months after I became so sick in February 2010, my intolerance to
5 chemicals exploded. I developed intolerances to things that had NEVER bothered
6 me before like commercial printing ink, chlorine, synthetic fabrics.

7 In the summer of 2010, I began to have problems when I worked on my
8 computer. At first it started with my face getting red and my head getting very hot
9 after I had been working on my computer for 40 minutes or more. Then it got
10 worse. I would experience horrible intestinal cramping, nausea and fatigue from
11 working on the computer.

12 The problems I experienced when using my computer led me to learn more
13 about EMF radiation. I had all the dimmer switches in my home removed. I
14 stopped using my wireless router, microwave oven and hair dryer. I even
15 reluctantly gave up my cell phone! But I was still sick and I was always sick at
16 home. If I took a long car ride, I felt better. But, as soon as I returned home my
17 symptoms returned: excruciating headaches, muscle cramping (especially in my
18 legs), extreme fatigue, nausea, problems with my eyes, sweating all over my body,
19 difficulty breathing and irregular heartbeats. The tissue in my brain was hurting
20 and felt like it was burning. I had dry chapped lips; I was waking up in the middle
21 of the night for no reason. I had gone into early menopause.

1 On February 23, 2012, I called my utility company which was
2 SCE&G/SCANA and asked if they had installed any Smart Meters on my home.
3 An SCE&G customer service representative told me that yes they had! Without
4 my consent or knowledge, SCE&G had removed the analog meters from my home
5 in Charleston, SC and put a wireless automated meter reader (AMR) on the gas
6 meter in December of 2009 and another AMR on the electric meter of my home in
7 January of 2010. I was stunned to realize that the installation of these devices
8 coincided with my becoming so very sick. I asked 3 times for them to remove
9 these devices and they refused each time.

10 In August of 2012, I was diagnosed with Toxic Encephalopathy (349.8) and
11 Neurologic EMF Related Encephalopathy (348.30; E926.0). I have become
12 Electrically Sensitive and am symptomatic around just about anything that is
13 plugged in or has a computerized motor.

14 **Q. Do you experience electromagnetic sensitivity symptoms in proximity to other**
15 **radio frequency devices, such as Wi-Fi, microwave ovens, cell phones or**
16 **cordless phones? Please describe the symptoms and the circumstances when**
17 **they occur.**

18 **A. YES. I cannot go near a Wi-Fi or wireless router.**

19 If I accidentally get near a wireless router I get a searing pain in my brain
20 tissue that feels like a dagger and a horrible headache. The tissue in my brain
21 swells and I have intense pain in cranium, skin and hair follicles of my head. I then
22 become nauseated and am overcome by intense fatigue. The pain, nausea and

1 fatigue will last for 36-48 hours. As a single mother of a young child this is an
2 unbelievably awful situation to be in. My 2007 automobile makes me ill. Every
3 time I drive it I become nauseated and get a headache. I have been looking since
4 August for a low EMF car, but have not found one yet. I cannot be near office
5 equipment or large electrical equipment (like in a grocery store) or I become
6 nauseated. I have difficulty breathing and get abdominal cramping. If I am unable
7 to get away quickly, I will start sweating all over my body.

8 I am sick, in almost constant pain. My Electro Magnetic Sensitivity or
9 Radio Wave Sickness is almost completely debilitating. I cannot go near a
10 wireless router without becoming horribly ill for 36 hours and experiencing
11 horrible pain in my brain tissue. I cannot be near cell towers. I cannot be near
12 office equipment or electrical equipment without becoming symptomatic. I can go
13 almost nowhere. I cannot go to the grocery store. I had to hire someone to bring
14 me my groceries once a week. I cannot go to the Library anymore. I cannot be
15 near a CFL light bulb that is turned on. I have trouble being near the table lamps
16 in the house we are renting! I cannot stand under an overhead lamp. I cannot be
17 near other people's cell phones. I experience debilitating nausea, fatigue and
18 headaches daily. My life is a nightmare. I am still searching for a car that has low
19 EMF emissions. I get a headache and become nauseated every time I have to get
20 in my car to take my son to school. Every aspect of my life has been affected.
21 Even the land line phone makes me sick. I had to buy a special phone back in the
22 spring, and now I can only use it over the speaker phone sitting 6 feet away from it

1 AND I can only use it for a total of 60 minutes a day and never after 6:30 at night.

2 I turn the computer on usually once a week for an hour. I wrote most of this letter
3 out long hand and had a friend type it for me.

4 **Q. If you have physical or medical conditions, including sensitivity to**
5 **electromagnetic radiation, have these conditions been diagnosed? Identify**
6 **the diagnosis or description of the condition.**

7 A. Yes, See attached Diagnosis from my physician, Dr. [REDACTED] In August of
8 2012, I was diagnosed with Toxic Encephalopathy (349.8) and Neurologic EMF
9 Related Encephalopathy (348.30; E926.0). I have become Electrically Sensitive
10 and am symptomatic around just about anything that is plugged in or has a
11 computerized motor. Attached as Exhibits A, B, C and D are Dr. [REDACTED] RX
12 notes, dated August 21, 2012, her September 19, 2012, letter to SCE&G/SCANA,
13 and a description of her background and credentials obtained from her website.

14 **Q. Has your physician or other medical care provider made any**
15 **recommendations about exposure to electromagnetic devices, including smart**
16 **meters? Please attach any recommendations in writing from your health care**
17 **provider.**

18 A. My physician has stated that I am in a crisis state and that I have no margin for any
19 further exposure to EMF. Please see attached Rx form (Exhibit A) that states that
20 I "have medical conditions that affect major life activities of essential neurologic
21 function and/or breathing. It is medically necessary for her to have removal of
22 EMF sources, including 'Smart Meters' (AMR)."

1 Q. If you had a smart meter for a period of time and experienced or observed
2 symptoms or adverse reactions, did those symptoms or adverse reactions
3 cease when the smart meter was removed? Describe the circumstances.

4 A. Meter was never removed, but if I went away from the home for extended period
5 of time to an area without Smart Meters my symptoms lessened.

6 Q. Has your experience with smart meters caused any disruptions in your daily
7 living? Please describe the circumstances?

8 A. My experience has been devastating. Almost every aspect of my life has been
9 affected. I had to abandon my home and move to a new community 45 minutes
10 away. I had to find a new school for my son, my marriage fell apart. I am
11 disabled now. Simple everyday functions like preparing a meal are complicated
12 and medically risky for me now. I cannot be near our electric range and have to
13 cook using the circuit breaker. I am so intolerant to natural gas that using a gas
14 range is not an option for me. I cannot go to the library, the grocery store, or my
15 friend's houses in Charleston because they have AMR meters on their homes. I
16 cannot even go into my child's elementary classroom because his school has wi-fi,
17 which I believe to be a very ill-considered decision on the part of the headmaster
18 now that I have been forced to learn about long term health effects of wireless and
19 EMF radiation. Electrical Sensitivity which my doctor has stated I acquired
20 secondary to exposure to the AMR devices put on my home without my
21 knowledge or consent has had a devastating impact on my life. It is not medically

1 known how much recovery will be possible for me. I must try to avoid exposure
2 to EMF radiation, which is becoming more and more difficult in this country.

3 Q. Please tell us anything else that you want us or the Public Utilities
4 Commission to know about your experiences and circumstances.

5 A. These devices are not safe. They have not been tested. Children, babies in utero,
6 pregnant women, the elderly, those with inflammatory, immune system and
7 genetic disorders are all particularly at risk. As a group this is a large segment of
8 our population.

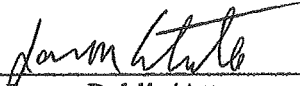
Dated this 29th day of January, 2013.



STATE OF SOUTH CAROLINA
CHARLESTON, ss:

January 29, 2013

Personally appeared the above-named  and stated under oath that the foregoing Affidavit made by her is true and based upon her own personal knowledge, information or belief, and so far as upon information and belief, she believes the information to be true. Before me,



Notary Public/Attorney-at-Law
James M Entwistle
Name Typed or Printed
My Commission Expires: 3/31/2014

Occupational and Environmental Medicine

NAME _____ AGE _____

ADDRESS _____ DATE 8-21-12

R My patient, Ms. _____ is a qualified person under Federal disability law and regulations because she has a medical condition that affect major life activities of essential neurologic, and/or breathing.

It is medically necessary for her to have removal of EMF sources, including "Smart Meters", and other essential reasonable accommodations to minimize exposures to VOC's, respiratory irritants, pesticides, herbicides and other toxins and pollutants. Please contact me for questions.

LABEL The above is within reasonable medical certainty.

REFILL 0-1-2-3-4-PRN _____

M.D.

GENERIC SUBSTITUTION YES _____ NO _____

FAX COVER SHEET

FAXED
8-21-12

Send To: SCE&G/ SCANA	From: [REDACTED] M.D., Dr. P.H.
Attn: David Kibler	Date: 8-21-12
Office Location:	Office Location: [REDACTED]
Fax No. 803-933-7633	Re: [REDACTED]
☒ Urgent ☐ Reply ASAP ☐ Please Comment ☐ Please Review ☐ For Your Information	

Total Pages (including cover page): _____

Attn: David Kibler
 [REDACTED] M.D., DR. P.H. 803-933-7633
 Occupational and Environmental Medicine
 [REDACTED]

NAME [REDACTED] AGE _____
 ADDRESS _____ DATE 8-21-12

R Dx toxic encephalopathy (349.8) and neurologic EMF related encephalopathy (348.30; E926.0).

There is an urgent medical need to remove the AMR meters from [REDACTED] Charleston SC 29403, to stop the ongoing very severe, disabling neurologic effects that began to become disabling shortly after the installation of the AMR meters on her home (without her knowledge or consent). The above is within reasonable medical certainty.

LABEL Please call per question.
 REFILL 0-1-2-3-4-PRN [REDACTED] M.D.
 GENERIC SUBSTITUTION YES _____ NO _____

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TRANSMISSION VERIFICATION REPORT

TIME : 08/21/2012 16:34
NAME :
FAX :
TEL :
SER.# : BROM0J239187

DATE, TIME	08/21 16:33
FAX NO./NAME	18039337533
DURATION	00:00:27
PAGE(S)	01
RESULT	OK
MODE	STANDARD
	ECM

[REDACTED] MPH*, Dr. P.H.**
Occupational and Environmental Health
[REDACTED]

*Johns Hopkins

**Harvard

CERTIFIED LETTER RETURN RECEIPT

September 17, 2012

Keller Kissam
President of Retail Operations
SCE&G/SCANA
220 Operation Way
Cayce, South Carolina 29202-3701

Dear Mr. Kissam:

I have a patient from Charleston, South Carolina who developed encephalopathy secondary to exposure to two automated meter readers (AMR), one located about 2 feet from the head of her bed and one located only a few feet from her kitchen where she spent significant time. She was unaware these were installed in December 2009 (for gas) and January 2010 (for electric). Unfortunately, these were installed without her knowledge or consent. However, she was unaware of them until February 2012 by which time she had developed progressively serious debilitating neurologic effects.

Unfortunately, the location of these devices contributed to harm. The location near her brain at night and repeatedly throughout the day has had a disastrous effect on her which is permanent because there is inadequate medical knowledge to reverse this form of damage.

When I inquired for medically necessary reasonable accommodation, I was treated with rudeness by the company representative for SCE&G/SCANA, accommodation was refused and I was told that these devices were "safe".

I am a nationally known expert in occupational and environmental medicine and have been in medical practice for 39 years. I am familiar with variation in human response to EMF/RF emitting devices. Occupational and environmental medicine is a subspecialty of public health. I obtained public health training at Johns Hopkins and Harvard including but not limited to training in scientific methodology.

Because SCE&G/SCANA has represented these devices as completely "safe", I request a copy of all scientific studies used to support such a statement.

Corporate representatives must stop representing these devices as "safe" for everyone. Individuals must be informed that if they have had symptom/health changes after installation of these devices that they describe these changes in a note or letter to the company and a properly designated agency. Any individuals requesting that the devices be removed should be honored both as a reasonable accommodation for persons who are affected and for others who are concerned about the location of the devices and wish to take measures to prevent damage to their brain and nervous system.

Neurologic changes can manifest themselves in many ways. These include cognitive changes, headaches, skin rashes, hormonal disturbances, muscle pain/spasm/twitching, changes in blood pressure, heart rate and rhythm (autonomic nervous system), changes in pain, inflammation, autoimmune response (biochemical changes associated with EMF/RF can increase free radicals inducing inflammatory changes), and other effects.

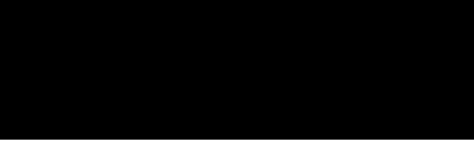
It is medically unacceptable to install devices without the knowledge or consent of individuals. Merely putting a note in a monthly bill is insufficient notification for such a serious hazard. Many people do not notice or understand such inserts, most individuals regard inserts in their monthly bill as advertisements or other irrelevant information and it is easy for such notices to be omitted during the mailing and notification process. It also completely fails to address the vital issue of location. Would anyone put a device near the head of a child, pregnant woman, elderly person or anyone at all given the current lack of human safety data?

Present standards for exposure rely heavily on the amount that would raise temperature of body tissue. This neglects evaluation of neurotransmitter function, which can be altered by much smaller doses. I recognize that device manufacturers should be expected to have more expertise than a utility user company. SCE&G/SCANA may have been misled by manufacturer or industry association lack of knowledge and /or misinformation.

Action is now essential to scientifically evaluate health effects and to take prompt corrective measures to prevent more individuals from developing problems, and to prevent the further disabling of persons who have been affected.

I await a response regarding both the submission of scientific studies documenting "safety" of these residential devices (where 24/7 exposures can occur), which I need promptly, and the corporate plan to assess and minimize damage to the health of the public.

Sincerely,



Cc: Governor Nikki R. Haley
Patricia Green, Director of Columbia FHEO Field Office
Dr. Margaret Chan, Director-General of World Health Organization
Tom Clifford, Executive News Director of The Post and Courier

About Dr. [REDACTED]

Dr. [REDACTED] M.D., Dr. P.H. has been practicing medicine for 38 years, with a major focus on public health and prevention as well as medical care. She received her M.D. in 1967 from the University of Kansas College of Medicine, the state of her childhood and youth. After two years of volunteer work in South Vietnam as a physician to civilians (1968-1970), she began her public health training, with a Master of Public Health at Johns Hopkins (1971), and a Master of Science and then Doctor of Public Health at Harvard (1975).

She returned to join the Johns Hopkins faculty, also attending courses there in toxicology (numerous courses), occupational medicine, industrial hygiene, and occupational and environmental epidemiology. She has been active in worker education, teaching occupational medicine to medical students at the University of Maryland School of Medicine, and occupational health policy at Johns Hopkins School of Public Health.

Dr. [REDACTED] has been a consultant for Maryland OSHA, the New Jersey Department of Health (writing fact sheets on about 1,000 chemicals), Maryland Department of the Environment, WHO, US Congress, Walter Reed, National Academy of Sciences, US Environmental Protection Agency, US Agency for Toxic Substances and Disease Registry, US Department of Agriculture, California Department of Health Services, American Lung Association and other agencies.

She has also had an active medical practice evaluating and caring for patients with chemical injury, in documenting treatable biochemical and pathophysiological changes resulting from chemical injury, and developing science-based, non-harmful means of effective treatment. Education of patients, the public and professionals about the prevention, early recognition and science-based treatment of chemical injury remains an ongoing and vitally important interest.

[REDACTED]

**PRE-FILED DIRECT TESTIMONY
OF [REDACTED]
MPUC Docket No. 2011-00262**

1 **Q. Please state your name and address.**

2 A. [REDACTED]

3 **Q. Was a CMP smart meter installed at your residence?**

4 A. No. I requested early in the deployment that no smart meter be installed. CMP
5 customer service made it difficult to agree with the request. I felt I had to keep
6 watch of my house/analog meter for fear of not having my request upheld.
7 Customer Service was argumentative and threatening. They made me give a
8 reason for the request. They said it would have to be swapped out at a later date
9 because the opt-out would not pass. Trying to get to the correct department was
10 difficult and I was handed off to numerous people. I had to call numerous times to
11 get them to finally agree with the request.

12 **Q. If you do not currently have a smart meter, are you paying the opt-out fee?**

13 A. Yes

14 **Q. Please describe why you do not want a smart meter at your residence.**

15 A. I am EMF & RF Sensitive to the point of daily discomfort in most public places.
16 Symptoms include: heart palpitations, headache, dizziness, failing eye sight when
17 around meters, body aches, restlessness, interrupted sleep, forgetfulness and
18 shakiness. I have felt first-hand what the meters do to me physically. The
19 deployment throughout CMP's area has caused me to change the way I live.

1 **Q. Please describe the symptoms and the circumstances when they occur.**

2 A. I cannot work in an office setting in most buildings due to facilities having Wi-Fi
3 and multiple cell phone users or close to smart meters. This makes for a non-ADA
4 environment for me and I can't function. When I do enter into spaces that have
5 wireless technology I can only stay for a short time due to the symptoms described
6 above. When I'm around iPhones and iPads I am in pain. In fact I tried using an
7 iPad on 10/15/12 for the first time and was instantly dizzy and nauseous.

8 I have experienced relief from pain in my hands when using an external
9 keyboard as opposed to my lap top keyboard. The EMF that comes off a laptop is
10 such that it was causing arthritic-like joint pain.

11 Being in other public spaces such as stores and people's homes with
12 wireless and smart meters makes me uncomfortable as well. I limit my exposure
13 as much as possible but it's difficult to live a normal life with the fear of exposure.

14 I am also very sensitive to cell towers. When driving I can typically feel
15 pain when a tower is about ¼ mile away. I don't even have to see the tower...I
16 know it's coming up. The combination of cell towers, the smart grid, radio towers
17 and high tension lines causes severe pain mostly in my legs and hips but
18 occasionally in the temples and chest. When I'm closer to them the other
19 symptoms occur.

20 I don't have wireless connection in my home, never put a cell phone to my
21 head and have replaced the cordless house phone for a land line. I check my cell
22 phone on occasion throughout the day by using speaker only.

1 **Q. Have you experienced symptoms while in the proximity of smart meters?**

2 **A.** Example 1: When smart meters were first installed in my old neighborhood I
3 detected a change while watching TV one night. I had a really strange feeling
4 wash over me and I exclaimed to my husband that something is different like a
5 surge of some sort. I thought it was from a cell tower but the pain and the new
6 ache in my right temple was different. I had no prior knowledge the meters had
7 been installed earlier in the day. A friend who lived approximately ½ mile away
8 mentioned the next day her smart meter was installed. I felt the beginnings of the
9 smart meter mesh deployment as it crept into my life that evening and now has
10 consumed me every day since.

11 Example 2: On another occasion as I was raking leaves on the side of the
12 house closest to my neighbor's smart meter, I experienced worrisome heart
13 palpitations and dizziness that made me stop what I was doing to clench my chest.
14 I realized within seconds as I looked around that I was by their meter. I had
15 completely forgotten to be cautious of being on that side of the house as I assisted
16 with the Fall yard clean-up. When I realized my proximity to the meter I
17 immediately moved to the back yard. It was then as I moved away from the meter
18 that the palpitations subsided.

19 There have been so many other occasions but these stand out. They both
20 were significant in that I wasn't tuned into the cautious state of fear of avoiding
21 exposure...I was just living my life as I did pre-smart meter.

1 Q. If you have physical or medical conditions, including sensitivity to
2 electromagnetic radiation, have these conditions been diagnosed?

3 A. Diagnosed by:

4 [REDACTED] Associates – [REDACTED]

5 [REDACTED] Therapy Associates – [REDACTED]

6 [REDACTED] CN – [REDACTED]

7 Diagnosis: EM & RF Sensitive

8 See Attached Exhibits A and B.

9 Q. Has your physician or other medical care provider made any
10 recommendations about exposure to electromagnetic devices, including smart
11 meters? Please attach any recommendations in writing from your health care
12 provider.

13 A. All have recommended to keep away from devices that cause my symptoms
14 as well as to not have a smart meter.

15 [REDACTED] Associates – Acupuncture for radiation/electromagnetic detox.
16 Monthly radiation-detox baths.

17 [REDACTED] Therapy Associates – Supplements + drink hemp milk as
18 an antidote.

19 [REDACTED] – Radiation-detox baths, supplements, test and use if needed
20 Stetzerizer throughout home. Use of a cell phone radiation bag.

21 Q. Has your experience with the smart meters caused any disruptions in your
22 daily living? Please describe the circumstances.

23 A. YES! My husband and I moved to [REDACTED] in an area where homes are not
24 close to each other. We moved in June of 2011. I was unable to withstand the
25 symptoms in our [REDACTED] home any longer. The house was in a fairly
26 dense neighborhood with one neighbor's meter approximately 20' away and others
27 not much further from the house.

1 I am extremely limited to where and for how long I can shop, visit friends
2 and be in other public spaces due to the mesh network. I had to move to a home
3 where the neighbors' houses are further apart. I can't work in a building with
4 smart meters and wireless. I share space downtown with another group but rarely
5 go there due to feeling sick within minutes. I have to go weekly or bi-weekly to
6 acupuncture for treatment. This is not covered by my insurance. I have to pay
7 CMP to opt out of having the smart meter. I can't even go to my own rental
8 properties since the tenants have the meters. One property has 4 units on [REDACTED]
9 Hill in amongst cluster housing. Because of the opt-out fees our tenants who are
10 on a limited budget can't afford the additional expense of the fees.

11 I struggle with the symptoms of exposure every day. Going for walks is
12 now limited due to the heavy exposure in neighborhoods. I live in fear of the pain
13 or heart issues that occur as I drive through densely populated neighborhoods with
14 meters. The smart meter mesh has been and continues to be a financial, emotional
15 and physical burden.

16 **Q. Please tell us anything else that you want us or the Public Utilities**
17 **Commission to know about your experiences and circumstances.**

18 **A.** As it relates to my sensitivity to all things wireless:

19 Another wireless device that I'm particularly sensitive to is the wireless
20 units in automobiles, planes and busses. My car is a 2008 VW Passat. Within a
21 week of ownership I experienced a discomfort in my legs and hips. Nothing else
22 had changed other than the new car. I had the fuse pulled from the heated seats, I

1 adjusted the position of the seat to insure I wasn't putting pressure on the back of
2 the knee/leg which would interfere with blood circulation. I also drove my 2001
3 VW Beetle (without or limited wireless) for a few days to see if there was a
4 difference. There was definitely a difference in the pain driving the two cars. It
5 wasn't until 2011 when my mechanic mentioned there is wireless diagnostics in
6 my car. It's constantly seeking information to then display on the dashboard.
7 That's when it all made sense. The wireless in the car was why my pain has
8 continued to this day. When I asked the VW dealer to tell me where the wireless
9 'hub' was located and could it be disarmed, they were not willing to be of help.
10 Purchasing a 'new' car will not solve the problem. I would have to buy an older
11 car without the wireless system.

12 Wireless in public transportation is horrible for me as well. I also do not go
13 through the radiation scanners at airports. The first (and only time) I've gone
14 through one, I immediately got a headache and eye pressure. Another disruption
15 to my life...I now have to be delayed at the airport due to the only reasonable
16 alternative...the pat-down.

17 The whole smart meter fight has been weary, I've been extremely
18 disappointed in whole procedure and I worry about my health and well-being.
19 When testifying before the PUC Legislative Committee, it was clear the majority
20 of them were bored. Many decided to focus on reading/answering emails or left
21 the room in the middle of testimonies or had side conversations or thumbed
22 through other materials. I've never seen such a display of rudeness in my life!

1 This is serious stuff and the casual attitudes by many on the panel were so
2 transparent. We were each given a few minutes to make our case and we were
3 made to feel hurried. These are people who are supposed to represent the citizens
4 of Maine and what we got was what appeared to be a group who were bothered
5 having to listen to us. I hope this time around different people are
6 involved...people who care...people who have the citizen's health, safety and
7 well-being at heart.

8 The unfortunate thing with all of this is that scientists will take time (years
9 most likely) to do research in order to publish studies. All of us who are feeling
10 the chaos from the wireless smart meters are the canaries in the coal mine. We are
11 living with the bombardment every day. But for some reason that has not counted
12 towards being real in the eyes of science. It's all very sad.

Dated this ____ day of January, 2013.

STATE OF MAINE
CUMBERLAND, ss:

January ___, 2013

Personally appeared the above-named [REDACTED] and stated under oath that the foregoing Affidavit made by her is true and based upon her own personal knowledge, information or belief, and so far as upon information and belief, she believes the information to be true. Before me,

Notary Public/Attorney-at-Law

Name Typed or Printed

My Commission Expires: _____

1 attitudes by many on the panel were so transparent. We were each given a
2 few minutes to make our case and we were made to feel hurried. These are
3 people who are supposed to represent the citizens of Maine and what we
4 got was what appeared to be a group who were bothered having to listen to
5 us. I hope this time around different people are involved...people who
6 care...people who have the citizen's health, safety and well-being at heart.

7 The unfortunate thing with all of this is that scientists will take time (years
8 most likely) to do research in order to publish studies. All of us who are
9 feeling the chaos from the wireless smart meters are the canaries in the coal
10 mine. We are living with the bombardment every day. But for some
11 reason that has not counted towards being real in the eyes of science. It's
12 all very sad.

Dated this 9th day of January, 2013.



STATE OF MAINE
CUMBERLAND, ss:

January 9th, 2013

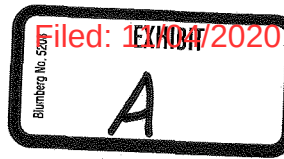
Personally appeared the above-named  and stated under oath that the foregoing Affidavit made by her is true and based upon her own personal knowledge, information or belief, and so far as upon information and belief, she believes the information to be true. Before me,



Notary Public/Attorney-at-Law
Christy Soucy

Name Typed or Printed
My Commission Expires: _____

CHRISTY SOUCY
Notary Public, Maine
My Commission Expires December 6, 2014



November 10, 2012

RE: [REDACTED]

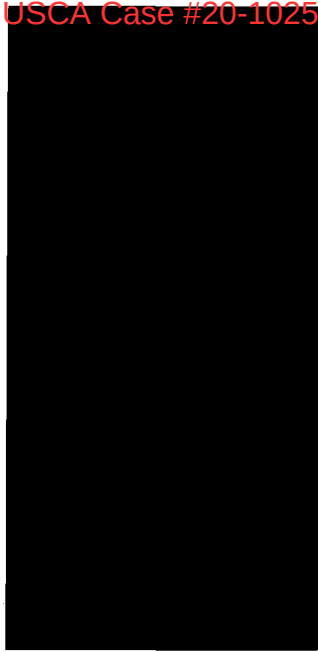
To whom it may concern;

[REDACTED] has been my patient for a number of years for physical therapy treatment of an ongoing hip problem. I have observed, on several occasions, that when my cell phone is in my treatment room during [REDACTED] therapy, there is a palpable increase in overall muscle spasm with a significant decrease in range of motion. When I remove my cell phone from the treatment room, palpation of her muscles reveals a decrease in overall muscle spasm with an improvement in joint range of motion. If you have any questions please contact me.

Sincerely,

[REDACTED]

[REDACTED]



11/9/2012

To Whom It May Concern:

Re: Client, [REDACTED]

I am a member of the Academy of Environmental Medicine. I have studied and worked in the environmental health field for over thirty years. Every minute of every day, we are inundated by chemicals in our food, our water and in the air. The world's dependence on chemicals has definitely forced its citizens to run a chemical gauntlet, in which not only the environment, but the people of the world are at risk. As a Certified Nutritionist, I see clients from all over New England and the United States who have become highly reactive to environmental chemicals.

Now we are facing another huge risk to our health and well-being: microwave radio frequency radiation. The World Health Organization classified microwave radio frequency radiation as a category 2B carcinogen, same as DDT and lead. In the past 7 years, I've seen an increase of people who are extremely sensitive to the effects of wireless technology.

- 1 (10) My eyes are jumping and I feel pressure at the back of my
2 eyes
3 (11) Tingling feeling in my feet and hands
4 (12) Severe weakness that brings me to the verge of fainting and
5 an inability to move
6 (13) Memory problems (especially a difficulty remembering
7 words) and even problems thinking
8 (14) Dizziness
9 (15) Nausea
10 (16) Inability to sleep when exposed.

11 **Specific symptoms by type of exposure:**

12 WiFi – I get intense pressure in my head, my legs become very
13 weak, and I can get to the verge of fainting. When exposed I am
14 unable to think properly and function, I get nausea, and am unable to
15 sleep.

16 **Cell Phones:** Each cell phone affects me differently but usually the
17 symptoms will include sensations of electric shocks in various parts
18 in my body, difficulty breathing, my face becomes hot and many
19 times, and I may experience heart palpitations.

20 **Radars from planes** – They are extremely painful – very sharp and
21 disabling pain in the head. Many times it can cause me to lose my
22 balance as well as feel severe chest pains, as if someone stub me in
23 the chest area and I cannot breathe.

24 **Antennas** – I feel pressure in the head, tingling in various parts of
25 the body (mainly in the feet and hands), chest pains, difficulty
26 breathing, and an inability to sleep.
27

28 Attached as Exhibit A is a summary of my experience with EHS.

29 **Q. Have your symptoms been diagnosed?**

30 **A. I have 2 medical conditions:**

- 31 (1) **Hypothyroidism (Hashimoto)** (since 1994) – An autoimmune
32 condition which prevents the thyroid from releasing the hormone
33 which regulates various activities in the body.
34

1 (2) Electromagnetic Hyper Sensitivity (since 2009) – Various
2 physiological symptoms in response to exposure to electromagnetic
3 fields.
4

5 Both conditions have been diagnosed by medical professionals.

6 Q. Has your physician or other medical care provider made any
7 recommendations about exposure to electromagnetic devices, including
8 smart meters?

9 A. Yes. My doctor, Prof. [REDACTED] MD, PhD., recommended a
10 complete avoidance of exposure to electromagnetic fields, mainly
11 from RF/MM frequencies (such as Smart Meters) to which I am
12 especially intolerant. Dr. [REDACTED] is the head of Emergency Medicine
13 and Toxicology in [REDACTED] School of Medicine, [REDACTED]
14 University in [REDACTED] See letter from Prof. [REDACTED]
15 MD, PhD (Physics) attached as Exhibit B.

16 Q. Please tell us anything else that you want us or the Maine Public
17 Utilities Commission to know about your experiences and
18 circumstances.

19 A. I have been personally contacted by hundreds of people who have
20 become electro-sensitive because of "Smart" Meters. Many are
21 successful professionals who became electro-sensitive after "Smart"
22 meters were installed in their houses/apartments. Outrageously,
23 many of these people were forced to leave their homes and have
24 become refugees, many of whom are now living in their cars under
25 inhumane conditions and torturous pains. To claim that these people
26 are imagining what they are feeling is an absurdity, ridiculous, and
27 against common sense and established science! Even if the science is
28 not established, human evidence should suffice as most medical
29 discoveries are based on human observation between cause and
30 effect. Recently in the guidelines published by the Austrian
31 Medical Association in March 2012 instructing medical doctors on
32 how to diagnose electro-sensitivity, it was correctly stated:

33 "EMF exposure should in principle be taken into
34 consideration as a potential cause, especially if the
35 patient suspects that it may be the cause."

36 Following my efforts to ban Wi-Fi in schools the Israel Inter-
37 Governmental committee on the issue (comprised of the Ministry

1 of Health, Ministry of Education and Ministry of Environmental
2 Protection which is responsible to regulate radiation) acknowledged
3 electro-sensitivity and its correlation to exposure to RF/MW. Every
4 week I am contacted by people who are contemplating committing
5 suicide because they have nowhere to go and have lost hope.
6 Anyone who is supporting "Smart" meters is in some way part of
7 creating these (and many other) tragedies.

8 On August 19, 2012, the Deputy Health Minister of Israel (there is
9 no Minister and so he is the Acting Minister) sent a letter to the
10 Minister of Education, demanding to ban Wi-Fi in school. In fact, he
11 stated that he is terrified of exposing children to chronic radiation
12 and believes that this is going to cause us to regret our actions for
13 generations to come. The letter and the English translation are
14 attached as Exhibit C.

15 On August 28, 2012, I submitted a petition to the Supreme Court in
16 Israel asking for a complete ban since the government admitted the
17 health effects of RF/MW; any involuntary exposure of the children
18 in schools should be banned without exception. It is important to
19 note that the government acknowledged that there is a moral and
20 legal responsibility not to expose the children to this harmful
21 radiation.

22 On October 1st, 2012, the Ministry of Education of Israel,
23 acknowledging the potential health effects of RF/MW and the
24 increased sensitivity of children, issued a decree to all the schools
25 instructing them to use only wired networks (essentially banning
26 WiFi, with one exception). Nevertheless, we continue our case to get
27 a complete ban without exceptions and to ensure enforcement of this
28 policy.

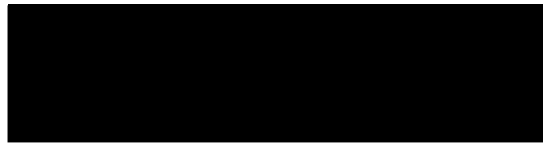
29 The person who is responsible for establishing the radiation
30 standards in Israel, Prof. Stalian Gelberg (Physics Prof.), sent an
31 email supporting a complete ban of WiFi in schools. In essence, by
32 supporting a complete ban he is admitting that the existing standards
33 are not safe, especially in regards to children. Any unnecessary
34 exposure such as from "Smart Meters" should be banned, or at least
35 should not be forced on people and their children in their own home!

36 In a tort case in Israel from 2009, a judge ruled against a cell phone
37 company and a neighbor who leased his apartment to the cell phone
38 company to install a cell phone antenna. The court decided that in

1 the matter of science where there is not a consensus yet, and is not
2 completely determined, once the plaintiff proved some correlation
3 between the cause and the effect the burden of proof is reversed. It
4 then shifts to the Defendants to prove that there is a 0% chance that
5 their actions are the cause of damage. Unless they can prove it, they
6 are liable.

7 Forcing Smart Meters on people in their homes will, in effect, be
8 forcing people (especially children) to endure radiation which
9 has been proven to be harmful to humans (and especially to
10 children).

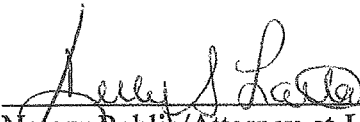
Dated this 18 day of January, 2013.



STATE OF NEW YORK
GREENE, ss:

January __, 2013

Personally appeared the above-named [REDACTED] and stated under oath that the foregoing Affidavit made by her is true and based upon her own personal knowledge, information or belief, and so far as upon information and belief, she believes the information to be true. Before me,



Notary Public/Attorney-at-Law


Name Typed or Printed

11

Kelly S Latta
Notary Public in the State of New York
Qualified in Greene County
No. 01LA6020528
My Commission Expires: 03-01-15

1
2 **EXHIBIT A**

3 **Testimony of [REDACTED]**

4 **Summary of EHS experience**

5
6 Until July, 2009, like most people, I preferred to enjoy my cell phone and Wi-Fi and not
7 think about the harmful effects of wireless technology. I was 36 and an attorney in NY
8 and Israel with an MBA. I was 'Miss Gadgets' and was the embodiment of this wireless
9 age. I did not have a home phone and I spent hours a day using my cell phone despite
10 the fact that like many others, sometime I had occasional pains from it in my head. My
11 laptop was my best friend. I was one of the first to purchase cellular wireless Internet
12 connection for my laptop to ensure that I had Internet connection wherever I went. I
13 even met my husband while 'stealing' wireless connections and wondering why there
14 wasn't any Wi-Fi everywhere when most people had no clue what it was (this was over 7
15 years ago). My husband at the time (we divorced because of my EHS), is an MD, with
16 PhD in molecular biology. When he received an appointment at [REDACTED] University
17 after working for an investment company in Manhattan as the adviser to the Chairman, I
18 decided to start my own law practice and have a baby. A few months later, I became
19 electro-sensitive ('EHS') and now as a result, I cannot work, I divorced my husband, I live
20 in isolation and I would not have children and be a mother with the uncontrolled and
21 irresponsible expansion of wireless technology (including "Smart" meters). I don't know
22 for how long I will be able to survive in this world.

23
24 I became EHS on July 19th, 2009, when excited, I got a new Mac laptop for the law
25 practice I was starting, but when I got home and used it something was wrong. The area
26 near the mouse pad was vibrating and I started feeling a tingling sensation in my hands
27 and feet. The logical inference was that I was feeling static electricity as a result of the
28 defect and just planned to change the computer the next day. But after changing 5
29 laptops in 3 weeks when all the laptops were confirmed by technicians (including Apple
30 technicians) to be defective - and I was getting more and more symptoms - it was clear
31 that something was wrong.

32
33 When I tried to use the laptops I started feeling pressure in my chest, increased heart
34 rate, difficulty breathing, dizziness, headaches, my face would become red and hot, and
35 I was nauseous. I had weird cognitive problems - I could not find words and when my
36 husband talked to me 5 minutes later I would not remember that he did. I suddenly
37 could not touch my cell phone and if I put it near my head I felt intense and penetrating
38 pain, as if someone was drilling in my brain. While it was clear that I was reacting to
39 something to do with 'electricity' it took me 5 months and 10 doctors to figure out that I
40 now suffered from electro-sensitivity, a condition I never heard about before. It also
41 took time to identify all the causes of pain such as intense Wi-Fi signals from all the
42 apartments around me and 3 cell towers within 500 yards...

43

1
2 The first doctor I went to see was a cardiologist from [REDACTED]. When I told her about the
3 symptoms she said that she also got nauseas when she was using her laptop. The
4 second doctor was a neurologist who said he never heard of the problem before and
5 that if he did not meet me he might have thought it was a mental problem; however,
6 now that he saw my condition it was clear that it was not. The only thing he could offer
7 was a pain clinic. Eventually I called a family doctor my husband knew from [REDACTED] and
8 when I explained the symptoms to the secretary she immediately said, "You suffer from
9 EHS," and gave me some internet links. Around the same time, a friend who is a Prof. of
10 Pediatrics in [REDACTED] who knew what was going on with me called me and said that
11 there was an article about my problem in 'Prevention Magazine'; the pieces started to
12 fall into place. I was lucky to figure out what was going on and so immediately I tried to
13 practice avoidance.

14
15 Israel - And so my first action was to decide to go to Israel. I thought that since they
16 build houses differently and better, I will feel better there; it was an unfortunate choice.
17 On my first day there my body collapsed. While I was driving I felt intolerable pain. I
18 looked up and I saw 'white stripes' on the roof of the mall, it was clear the pain was
19 coming from there, and when I asked my mother what they were, she told me that they
20 were cell phone antennas. Until that moment I did not know I felt antennas. I had tears
21 in my eyes and all I could say was "For God's sake, there are children growing up here."

22
23 Until the time I went to Israel I was already EHS, but I could still function to some extent;
24 however, from that moment on my condition quickly went downhill and my life became
25 a nightmare. I could not sleep anymore, the pain was intolerable and life had become
26 impossible. How can you survive in a wireless world with a sensitivity to wireless?

27
28 At my parents' house I had to be on the floor until we shielded one of the rooms. I
29 spent much time in bed with tormenting pains, crying quietly and just wanting to die.

30
31 Green Bank, West Virginia - When I came back to the US a month later I was a very
32 different person, very EHS. For a month I was unable to sleep, which was torture for I
33 was desperate to sleep and get a break from the pain. I purchased shielding fabrics and
34 other items that were supposed to help, but nothing did. When I heard that there was a
35 place in West Virginia without cell towers and radiation because of an observatory that
36 belongs to the Federal Government, I just took a car and drove there. I stayed in a tent
37 for a week; while I could not sleep as it was too cold, for the first time in months I had
38 clarity in my head.

39
40 I found a job on a farm and spent 3 months there, taking care of horses, goats, lamas, a
41 sheep and painting fences; for a while I felt better.

42
43 Living in my car - Eventually I went back to NJ, and my husband (now ex-husband) and I
44 decided to try and find an isolated place in which to live. In those months I stayed in the

1 car, in impossible conditions and my health quickly deteriorated; it was a nightmare. I
2 could not be in my apartment, could not find a house, and I spent my days desperately
3 trying to find a place without radiation in which to park my car. Sleeping was impossible.
4 At nights I parked my car in parking lots and would cover the windows with dark cloths
5 and sheets so people would not see me. I could not really sleep as there is no place
6 without radiation and the pains were tormenting.

7
8 My marriage also deteriorated. There was nothing really my husband could do to help
9 and it was depressing him to see me suffer so much knowing he could not help. I
10 decided to get a divorce. As it was clear that with the expansion of wireless technology
11 my life was going to be a long nightmare, I felt that it was enough that my life got ruined
12 - I didn't want his life to be destroyed as well.

13
14 **Staying in South Carolina** - I spoke to a British EHS woman who is also an ER doctor (she
15 was in the US as her husband, a fighter pilot in the British Air-force was in an exchange
16 program) and she offered to let me come and stay in an isolated cabin in SC. I stayed
17 there for 6 weeks and slowly my body started to calm down and after 4 weeks I finally
18 was able to find a spot in the house to sleep.

19
20 **Back to living in my car** - My husband and I decided to try and save the marriage and so
21 I went back 'home' i.e., to sleeping in my car and trying to find an isolated house again.
22 The winter came and it was impossible to be in the car when it was freezing outside.
23 Eventually after physically checking almost 200 houses I found an isolated house in a
24 farm. After 18 months of nightmares I was finally able to sleep. However, the nightmare
25 still continued. I still could not go anywhere, not even to a doctor or to work; driving on
26 the roads was also impossible. My husband and I decided to divorce.

27
28 **Finding a house in NY (1 out of 500 houses)** - As I did not have to be in NJ anymore I
29 decided to move to the Catskills in NY, hoping to find a place with less radiation, less
30 antennas, less people and planes and mountains that could block the radiation. My
31 father came from Israel to help me look for a house as being on the roads with antennas
32 and cars full of gadgets was impossible.

33
34 Out of 500 houses we found only 1 in which I could be and even in that house I can use
35 only 1 room and a small area in the living room. There is no "Smart" meter (for now),
36 the closest neighbor is 300 yards away (such distance is required in order to not be
37 affected by a neighbor's Wi-Fi, cordless phones and other gadgets), there is only spotty
38 cell phone reception, and radiation from only one radio station.

39
40 **My life now**

41 I have been living in this house for a year now and my condition improved. I feel much
42 better as I have no exposure to RF/MW, but my life is pretty much still impossible as I
43 am a prisoner in my own house. I cannot go anywhere, be anywhere, or work. I cannot
44 access a doctor or even to go to court to enforce my rights. I go once a month to

1 civilization to buy groceries. Many times I cannot even do that and depend instead on
2 friends to buy food for me. My money is about to run out and as I cannot work I don't
3 know what I will do. Most of all though I am terrified of the day they will put "smart"
4 meters here too...where will I go?

5
6 From a vibrant, independent, healthy, and career-oriented woman, I have become a
7 disabled person without rights and or the ability to survive in this world. From a lawyer I
8 had to become an expert on electromagnetic fields and the science behind it. I was
9 astounded to discover this huge body of science which goes back to the 50's which
10 proves beyond any doubt the adverse biological effects of this RF/MW-based
11 technology. I also discovered hundreds of papers which prove the existence of EHS and
12 that it is actually the first condition that was attributed to RF and microwave radiation.
13 Considering we are dealing with EMF's it is very clear that symptoms which are
14 associated with the electric nervous system would be the logical manifestation of the
15 harmful effects of RF/MW. I believe that the focus on cancer is intended to mislead the
16 public from the real problems associated with RF/MW. I was horrified to discover the
17 extent of sickness this radiation is causing and it became clear that we are already
18 experiencing an epidemic and the biggest and most cruel deception ever visited on the
19 public.

20
21 My life as I knew it, worked for, and wanted to it to be is lost now. The only reason for
22 my life now is to help other people who suffer from this horrendous condition, to
23 inform the public about the harmful effects of this technology, to force governments to
24 take responsibility and to bring to justice all those who abused and betrayed their public
25 duty to protect the public. The adverse effects of this radiation are well established and
26 anyone who ignores them is and should be liable. I am working to ensure that people
27 with EHS will have basic human and civil rights which are currently and cruelly denied to
28 them; I am working to expose this deception on the public, as well, and am focusing my
29 efforts both in Israel and the US.

30
31 Following my efforts in Israel to ban WIFI in schools, the government admitted to the
32 existence of EHS and the ministry of education ordered the schools to use wired
33 internet as opposed to WIFI. Although the Government announced that wired networks
34 should be used after I submitted a case to the Supreme Court demanding to ban Wi-Fi in
35 schools, I continue with the lawsuit in order to force a complete ban and enforcement.

36
37 Is It Real?

38 No one who has been around me ever doubted what it was that I am suffering from.
39 Not my husband, not my family, not my friends and not my neighbors. Every journalist
40 that I met also was convinced immediately as it was very easy to prove. A journalist
41 followed me for the month that I was looking for a house in NY and has hundreds of
42 hours of film of how I am affected by EMF's. Doubting the existence of EHS is ignorant,
43 ridiculous and cruel.



DOCUMENTATION OF DISABILITY
BY MEDICAL OR OTHER PROFESSIONAL AUTHORITY

The testing and this form must be completed by a qualified diagnostician with comprehensive training and direct experience in working with adult populations. Diagnosticians should attach to this form a description of their academic credentials and qualifications that allow them to diagnose disabilities and recommend accommodations on the West Virginia Bar Examination.

Petitioner's Name _____
(Please Print)

Date(s) petitioner was examined or under my care 4/22/2010

I last examined the petitioner on 4/22/2010

Petitioner's Subjective Complaints: Electromagnetic Field sensitivity

Treatment or testing consisted of Observation under exposure conditions

Examiner's Objective Findings (Attach separate sheet indicating specific tests performed and the petitioner's results, where applicable. Please be as specific as possible to facilitate a review of your findings by the Board's consultant):

Changes in physical condition & vital signs observed in presence of blinded exposure.

Nature and extent of disability: Electrohypersensitivity, must avoid fluorescent lights, cell phones & towers, computers & screens, etc.

Prognosis: No known cure at this time except avoidance.

Based on the foregoing information and my professional opinion, the patient's disability is [permanent / temporary]. If temporary, please explain:
(please circle one)

permanent

A description of the West Virginia Bar Examination is attached. Based on the examination information provided, how will the petitioner's disability affect his/her ability to read, write and/or concentrate during standard testing?

Unable to perform at level needed to pass bar exam in presence of electromagnetic fields & radiation.

Typical modifications in the past have included but have not been limited to questions in braille, audiotaped questions, large print, reader, sign language interpreter, writer, extra time (typically time and a half is the additional allotment for disabilities that necessitate extra time. Double time has been granted on occasion but the use of double time has been limited due to security concerns). Accommodations may not alter the nature or content of the examination or the Board's ability to determine through the examination that the applicant possesses the essential skills and aptitudes required for admission to the practice of law, or compromise the security, integrity, reliability or validity of the examination.

What modifications in standard testing would you suggest to accommodate the disability of this petitioner?

Room with no fluorescent, CFL lights. Away from cell phone towers. No wireless internet or cordless phones. No cell phones. No exposure to electric motors. No computers, printers, modems.

I declare under penalty of perjury that the above information is true and correct under the laws of the State of West Virginia.

Executed on 4/22/2010 by _____
(Date) (Signature)

m) Give extra time as mentation will be slowed.

Name: _____

Position: _____

Professional License Number: _____

Address: _____

Address: _____

Telephone: _____



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TRANSLATION:**THE LETTER OF THE ISRAELI DEPUTY HEALTH MINISTER (ACTING MINISTER)**

Ministry of Health

The Deputy Minister of Health (Acting as the Head of the Ministry)

August 19th, 2012

To my Esteemed & Honorable,

MP Gidon Saar,

The Minister of Education.

Hello and greetings.

I received the copy of the letter sent by attorney Michael Bach, in which he specify the possible health risks associated with the deployment of wireless internet in schools.

I deeply sympathize with attorney Michael Bach's letter. I had dealt with this subject in the past, and although I am not a professional, I do fear that there will come a day that we will all shade tears regarding the irreversible damage that we, in our own hands cause the future generation.

The process of deployment of wireless internet has to be paused and should be reconsidered comprehensively.

With Respect,

Rabi Yaakov Litzman, Deputy Minister of Health.

**PRE-FILED DIRECT TESTIMONY
OF [REDACTED]
MPUC Docket No. 2011-00262**

1 **Q. Please state your name, address and contact information.**

2 A. [REDACTED]

3 **Q. Was a smart meter installed at your residence?**

4 A. No. However, my health and the ability to perform activities of daily living were
5 affected as a result of smart meters installed in my neighborhood.

6 **Q. Did you offer to provide testimony in another proceeding about your
7 experience with smart meters?**

8 A. Yes. I have had serious health problems related to smart meters and I offered
9 testimony in a Michigan Public Service Commission hearing (Case No U-17053)
10 reviewing a proposed opt-out program for Detroit Edison Company's Advanced
11 Metering Infrastructure. Unfortunately, the Commission would not accept any
12 testimony about health and safety issues.

13 **Q. Is the attached document marked as Exhibit A a true and accurate copy of
14 the testimony that you offered to provide to the Michigan Public Service
15 Commission?**

16 A. Yes.

17 **Q. Are the statements that you made in the attached Exhibit A still true and
18 accurate?**

19 A. Yes.

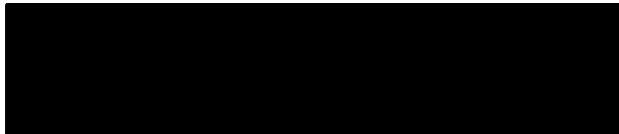
1 Q. Do you wish to add anything here not included in your statement in

2 Exhibit A?

3 A. Yes. I would like to add 3 pages of my physician's notes that document the
4 diagnosis of EMF sensitivity. True and accurate copies of the notes are attached
5 as Exhibit B.

6 Q. Do you want to submit the statements in Exhibit A to the Maine Public Utility
7 Commission for consideration in its pending proceeding to investigate the
8 safety of smart meters?

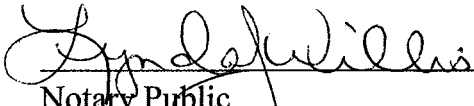
9 A. Yes. I submit the attached sworn testimony in support of complainants Ed
10 Friedman, et al in their case before the Maine PUC as evidence that smart meters
11 are not safe.

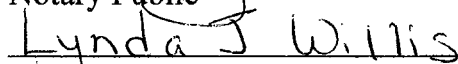


STATE OF MICHIGAN
WASHTENAW, ss

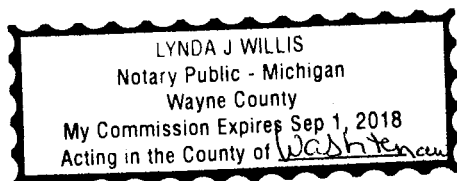
January 24, 2013

Personally appeared the above-named [REDACTED], and stated under oath that the foregoing Affidavit made by her is true and based upon her own personal knowledge, information or belief, and so far as upon information and belief, she believes the information to be true. Before me,



Notary Public


Name Typed or Printed



My Commission Expires: 9-1-18

[REDACTED]

EXHIBIT A

STATE OF MICHIGAN

BEFORE THE MICHIGAN PUBLIC SERVICE COMMISSION

In the matter of the application and request)
of the DETROIT EDISON COMPANY seeking)
approval and authority to implement its)
proposed Advanced Metering Infrastructure)
opt out program.)

Case No U-17053

QUALIFICATIONS AND DIRECT TESTIMONY OF
[REDACTED]

QUALIFICATIONS OF [REDACTED]

1 Q. Do you swear that the testimony you are about to give is the truth, the whole truth,
2 and nothing but the truth?

3 A. I do.

4 Q. Please state your name and address.

5 A. [REDACTED]

6 Q. On whose behalf are you testifying?

7 A. That of Intervenor Linda Kurtz and Cynthia Edwards.

8 Q. What are your qualifications to testify?

9 A. The electricity on my house comes from Detroit Edison. I live in a neighborhood that has
10 been installed with smart meters. Both my health and my ability to earn an income have
11 been affected by the smart meter installation, as have various other rights and privileges.

DIRECT TESTIMONY OF [REDACTED]

1 **Q. What is the purpose of your testimony?**

2 A. To provide information that may help the Commission in determining whether smart and
3 digital meters create certain kinds of economic, medical, social, or other harm or hardship,
4 as outlined in Intervenor Linda Kurtz's Petition for Intervention, to some or all persons such
5 that Detroit Edison and the Commission must not require those who are or who are likely to
6 be so harmed to have a smart or digital meter placed on their home or place of business or
7 to be otherwise deprived of rights and liberties, as outlined in Intervenor Kurtz's Petition
8 for Intervention, by the deployment of the advanced metering infrastructure, smart meters,
9 or digital meters, and, in the alternative, that such persons must be able to avoid such harm
10 to their person and property without being charged a fee.

11 **Q. How long have you lived at your current residence?**

12 A. My husband and I have lived here for 19 years. We own our home.

13 **Q. What do you do for a living?**

14 A. I'm working in finance for clinical trial research at a public university.

15 **Q. Have you been diagnosed with EMF sensitivity, also known as electromagnetic**
16 **hypersensitivity, electrosensitivity, or electromagnetic hypersensitivity syndrome?**

17 A. Yes. I was diagnosed with EMF sensitivity on May 11, 2012 by [REDACTED] D.O. who is an
18 Environmental/Allergy physician.

19 **Q. How did you receive this diagnosis?**

20 A. For about 2 years prior to my diagnosis, I was on a quest to determine the cause of some
21 escalating and unusual symptoms. I had suffered for years with chronic neck pain and TMJ
22 issues stemming from a blow to my jaw from a horse when I was a teenager. Wearing a
23 dental appliance and getting occasional physical therapy and chiropractic treatment had
24 kept this in check.

25 However, in December of 2010 I noticed increasing difficulty with my singing voice as well
26 as my speaking voice and had to quit my choral activities, which was my prime hobby and
27 passion. I also had increased head and neck pain and noticed that in certain environments
28 both the voice problems and neck pain got much worse. When I attended day-long
29 conferences for work that were held in hotel banquet halls, my whole body ached. I blamed
30 it on sitting all day in an uncomfortable chair.

31

1 My primary care doctor ordered MRIs of my neck and thoracic regions and no significant
2 findings were found. I was referred to a rehab doctor, who could offer no help except to
3 refer me to a pain clinic. I refused. I knew there was something else going on. Being a
4 registered pharmacist, I knew I would be masking the pain with drugs and injections
5 without addressing the root cause, which remained a mystery.

6 I was diagnosed with several food allergies in 2011 by Dr. [REDACTED] and eliminating these
7 foods from my diet seemed to help some of the muscle and joint pain. I was also diagnosed
8 with chemical sensitivities. I began buying unscented skin-care products and asked friends
9 who would visit at my home to not wear fragrances. However, the neck and head pain
10 persisted

11 In February 2012, I was diagnosed with a visual impairment called *vertical heterophoria*. It
12 could have stemmed from the kick in the head by the horse. The new prescription lenses
13 corrected my vision with prisms and relieved some of the neck and head pain. But I still had
14 symptoms in certain environments, and these were becoming more intense.

15 **Q. What were those symptoms?**

16 A. In the spring of 2012, whenever I would enter the office at work, I began to feel facial
17 tingling and burning [from fluorescent lighting and cell phones], increased neck pain, and a
18 clamping sensation in my upper throat that made swallowing difficult. I also recognized this
19 sensation when I would enter a drugstore, or in certain churches I attended, in restaurants,
20 and even in the eye doctor's office. I asked myself, "What do these places all have in
21 common?"

22 **Q. What did you find they had in common?**

23 A. In April of 2012, I was able to put the pieces of the puzzle together after attending two
24 different churches and noticing a decrease in symptoms in one church compared to the
25 other. One church had wi-fi, the other did not. I had my husband turn off the wi-fi router in
26 our home and noticed immediate relief of head and neck pain and the clamping sensation in
27 my upper throat. We then removed all wireless technology in our home, such as cell phones
28 and our cordless phones and hard-wired our Ethernet connection. I've since learned that
29 the burning sensation occurs when I am in proximity to certain types of lighting (such as
30 Compact fluorescent lamps (CFLs), fluorescent lamps, or halogen lamps) which can emit a
31 radio frequency and/or magnetic fields. Cell phones also cause this burning sensation as
32 well as head/neck pain.

33 **Q. Were you sensitive to other wireless devices prior to your diagnosis of EMF**
34 **sensitivity?**

35 A. Yes.

36 **Q. When did this sensitivity begin, and how acute was it?**

1 A. A year or more, at least. I am certain I had some of this sensitivity for years, and it just got
2 more intense as time went on. In the spring of this year, I attended a concert at the church
3 my husband works at, and my neck was screaming at me the whole time. A month later
4 there was another concert at his church. My husband disabled the wi-fi, and I enjoyed the
5 concert free of neck pain.

6 Q. Were you sensitive to other electromagnetic fields, for instance fluorescent lights,
7 prior to your diagnosis of EMF sensitivity? If so, when did this sensitivity begin, and
8 how acute was it?

9 A. Yes. In the spring of this year I began noticing the facial tingling, mostly at work, then also
10 in other locations. I've deduced that this is due to radio frequency emissions from cell
11 phones and certain types of lighting fixtures. At work, the fluorescent lights and certain cell
12 phones caused my face to burn and tingle. I notice it also in certain stores that have a high
13 level of fluorescent lighting.

14 .
15 Q. Once you determined that the problems you experienced seemed to be dependent on
16 exposure to wi-fi, what did you do?

17 A. As I said, I saw my environmental/allergy physician, Dr. [REDACTED], in May, and he diagnosed
18 me with EMF sensitivity.

19 Q. What was your health like once you turned off the wi-fi in your home?

20 A. I felt much better in my home: a decrease in my head and neck pain, and a decrease in the
21 aching in my body. However, since I worked in an office with 30 others who used cell
22 phones, and where wi-fi was used, this presented a huge problem.

23 Q. What do you experience when at work?

24 A. Within about 5 minutes of entering the office I begin to experience facial tingling, a
25 clamping sensation in my throat, head pressure, head pain, and neck pain. I work in a large
26 office with 30 people who all have cell phones. Even if just one or two of my coworkers are
27 present I still feel these sensations, though they may not be as intense. It also depends on
28 how close in proximity I am to the cell phone. I also notice a reduction in my symptoms if I
29 turn off the overhead lighting in the office.

30 Q. What did you do about your work situation?

31 A. My supervisor at work was very understanding and allowed me to work most of my hours
32 in my home. I now come into the office only if necessary during the day for brief meetings.
33 Each day I come into the office after hours so I can work without the presence of multiple
34 cell phones and I keep the overhead lights in the office turned off.

35 Q. You took additional steps to mitigate your home. What were those steps?

1 A. During the spring of 2012, when doing research on-line about EMF symptoms, I came
2 across reports of something called a *smart meter* that was being installed in various parts of
3 the country. The meter used pulsed radio-frequency emissions to transmit energy-usage
4 information back to the utility company. The meter deployment was currently taking place
5 in Michigan. This was definitely something I needed to protect myself from. I researched
6 various materials that could be used to shield my home from RF. Several types of metal,
7 aluminum, for instance, does a good job of shielding against RF. We completely covered the
8 first floor windows with aluminum screening. Our home was already aluminum-sided on
9 the three sides that faced the backyards where the electrical meters are. I sewed curtains
10 made of a fabric that shields against RF for the upper-floor windows of our home

11 Q. Your diagnosis of EMF sensitivity was in May 2012, and you had begun mitigation of
12 your house in April 2012. That means you had about 6 months before the smart
13 meters were installed in your neighborhood. Between the time you began mitigation
14 and the time smart meters were installed, how was your health both within your
15 home and in other places? Please be specific about what improved, stayed the same,
16 or got worse.

17 A. Before the meter install my home was the place where I felt the best. Now, after the install, I
18 feel ill effects (nausea, headache, malaise) on the second floor. Before the install I was able
19 to walk in my neighborhood symptom-free. Now, I get headaches and feel a general malaise
20 when I walk in my neighborhood ,

21 Q. When were smart meters installed in your neighborhood?

22 A. On October 12, 2012 they were installed on my street. I watched the installers from the
23 second-story window of my home as they went door- to-door to my neighbors'. I felt
24 confident that all of the preparations we did to shield our home from the microwave
25 radiation would be sufficient for me to remain at home and live comfortably. I continued to
26 work in our upstairs office.

27 Q. What happened next?

28 A. After a couple of hours after the installation of my neighbors' meters I began to feel a
29 general malaise, nausea, and headache.

30 Since that day I have had to sleep on the first-floor level of my home. My office had to be
31 moved to the first floor as well. Both of these impact my husband's piano studio, where he
32 teaches privately.

33 I cannot use the second floor of my home for more than 30 minutes before feeling ill.

34 Since the meter install, I feel ill in my backyard and cannot work or spend time there due to
35 the location of my neighbors' meters.

1 I feel the effects when walking through my neighborhood. Walking is my primary exercise. I
2 now drive to a remote and secluded portion of our subdivision where the lots were never
3 developed and walk there.

4 **Q. Have you been in houses with smart meters?**

5 A. On November 3, 2012, my neighbor invited me inside his home to see the improvements he
6 had made, as he was preparing to sell his home. Within about 10 seconds of stepping inside,
7 I felt intense head and neck pain and a consuming, painful pressure on my body from all
8 sides. This extremely alarming sensation allowed me to stay for only 4 or 5 minutes before I
9 quickly left. I felt physically traumatized. After this experience, I know I will no longer be
10 able to visit at the homes of family, friends or relatives who have one of these meters.

11 **Q. Prior to this experience at your neighbor's, had you been in houses with smart**
12 **meters?**

13 A. Yes, before I knew what a Smart meter was, we visited relatives on Harsen's Island a few
14 summers ago. This was a cottage where I had visited many times during my life. I was
15 talking with my cousin in the kitchen when the strange and extremely painful sensations
16 began. Every minute or two it felt like an electric current was being injected into my neck. I
17 didn't mention it to anyone because it was so odd. I also felt it outside the cottage about 60
18 feet away. In retrospect, I have deduced that these sensations were due to the Smart Meter
19 installed. The electrical box is on the wall of the kitchen. This past spring when doing
20 research on the DTE site I read that Harsen's Island was one of the first places in Michigan
21 where these meters were deployed. From this experience I knew I had to take drastic
22 measures to shield my home from the pulsed RF that these meters emit, and that I would
23 not be able to live in my own home if one was installed there.

24 **Q. How has this affected you in terms of going to other buildings with smart meters?**

25 A. Knowing these meters are deployed in Southeast Michigan, I am extremely cautious about
26 visiting businesses, shopping malls, doctor's offices, churches, the post office, the library,
27 etc. due to the possible presence of smart meters or other sources of microwave radiation,
28 such as Wi-Fi, WLAN networks, and cell towers. Since I've become electrically
29 hypersensitive, I spend most of my time in my own home, don't go shopping, or out to eat,
30 or to a movie, etc. I remained at home and could not travel with my family this summer to
31 visit relatives in another state, because they have these meters on their home. I make only
32 trips that are essential, such as doctor's appointments, brief trips to the grocery, or to places
33 that I know don't have the meters yet or if they do are in a distant enough location where I
34 am not affected. The drug stores have these meters, and I feel absolutely terrible in there. I
35 have to know exactly what I'm getting, get it, and get out as quickly as possible (I try to keep
36 it at 5 minutes max).

37 **Q. Have you been in public buildings / businesses you know have smart meters? How**
38 **has this affected you?**

1 A. Several of the public and federal buildings in Ypsilanti are now equipped with antennas on
2 their roofs that broadcast and receive radio signals. If my visit to the downtown Ypsilanti
3 Post Office this past summer is any indication of the environment of any of these buildings, I
4 will not be able to conduct business transactions of more than 10 minutes before feeling
5 extremely ill..

6 **Q. What happens to you if you are in a building for more than 10 minutes? Please be**
7 **specific, and tell us how long these symptoms last?**

8 A. I immediately experience all of the symptoms I've mentioned above: painful facial tingling,
9 neck pain, head pressure, difficulty speaking, clamping sensation in my throat. If I'm there
10 longer than 10 minutes my arms begin to go painfully numb. My whole body feels as if it's
11 going to go into some sort of crisis...I've never had a seizure, or stroke, or lost
12 consciousness, but these come to mind, in terms of the severity of the physical
13 consequences that possibly could occur to me. My gut instinct says "Get out now!" These
14 symptoms begin to subside when I remove myself from the environment, but depending on
15 the length of exposure it can take a few hours to feel better, physically. It's emotionally
16 disturbing as well

17 **Q. Please list all health effects and symptoms you experience when in the presence of**
18 **smart meters or subsequent to exposure to smart meters?**

19 A. See above.

20 **Q. Had you experienced any of these symptoms prior to the installation of smart**
21 **meters?**

22 A. Yes, I have similar symptoms when in close proximity to cell towers and WLAN
23 broadcasting equipment.

24 **Q. If the answer to the previous question is yes, did the severity of the symptoms lessen**
25 **or increase after smart meter installation?**

26 A. Same.

27 **Q. Have the health effects you experience as a result of smart meters affected your**
28 **ability to interact socially with others? If the answer is yes, describe how.**

29 A. Yes, The impact is quite significant..I can no longer meet socially in my neighbors homes. If
30 my mother gets one of these meters I will not be able to visit her in her own home. I
31 anticipate problems going out to eat at restaurants, and if there are family events in banquet
32 halls or hotels this will also be a problem. I'm even concerned about visiting loved ones at
33 the next funeral., if the funeral home has one of these meters.,

1 **Q. Have the health effects you experience as a result of smart meters affected your**
2 **ability to access public services, such as the public library, government offices? If the**
3 **answer is yes, describe how.**

4 A. Yes. I am immediately in pain when entering the post office. I am not certain if it is due to a
5 Smart Meter, or to the radio signals from the tower on the roof. I have not visited the library
6 or other government offices yet. Any place where I am required to wait and stand in line
7 could potentially be problematic, as my time is very limited before I become extremely ill.

8 **Q. Have the health effects you experience as a result of smart meters affected your**
9 **ability to freely assemble outside? If the answer is yes, describe how.**

10 A. If the location of the assembly is near a building with Smart Meters, then, yes, it would affect
11 my ability to freely assemble in that location. I would have to move quite a distance away.

12 **Q. Have the health effects you experience as a result of smart meters affected your**
13 **ability to access religious or spiritual services? If the answer is yes, describe how.**

14 A. My church's office has these meters, so I am unable to attend meetings there.

15 **Q. Have the health effects you experience as a result of smart meters affected your**
16 **ability to freely access health services? If the answer is yes, describe how.**

17 A. Yes. When I make the first appointment with a new health practitioner, there is always a
18 question as to whether or not they will have a meter on their building or not. I try to give
19 them notice that I am extremely sensitive to these meters so they know I may have to cancel
20 the appointment and look elsewhere for a different person. This is happening tomorrow as I
21 go to see a new dentist. Another case in point: a certain physical therapist was
22 recommended to me. However, she worked out of her home, and her home had both an
23 electric as well as a gas Smart Meter. I had to look elsewhere for PT services.

24 **Q. Is there anything else you wish to say about how smart meters have affected your**
25 **ability to perform major or minor activities of daily living?**

26 A. I am convinced that if my home was not aluminum-sided and if we had not taken the other
27 measures to cover windows with shielding material I would have been forced to find
28 another place to live when the smart meters were deployed in my neighborhood (even
29 though a smart meter has not been put on my home) .

30 I am grateful that after years of searching, I was able to solve the mystery as to the source of
31 my pain and voice difficulties, and that this revelation occurred before smart meter
32 deployment in my area, so that I could actively work with DTE to avoid having a smart
33 meter installed on our home. I thank Elaine Curtis, DTE representative, for her
34 understanding of my health concerns and assisting me in this process. Even though I don't
35 have one of these meters on my home, I am still affected in my home by the pulsed RF
36 signals from my neighbors meters such that I can't sleep on the second floor of my home, or

1 spend time in my backyard, or take walks through my neighborhood. I live in constant fear
2 that DTE will remove my analog meter and then I will have to move from my home to
3 another location

4 My heart goes out to those who are caught unawares and have no clue as to why they feel ill
5 and are trying to figure out why. It is getting increasingly difficult to find places that are free
6 of electrosmog so that it can be ruled out as a possible cause of illness. It is extremely tragic
7 for those who become ill in their own homes after a smart meter has been installed. The
8 general public, without knowing how the new meters work, have no reason to suspect it as
9 being a possible cause of illness, and weeks and months of harmful radiation exposure
10 occurs before the cause is figured out, if it ever is.

11 In closing, I would like to cite David Carpenter, MD, Public Health Physician in the State of
12 New York, who, having studied electromagnetic radiation and its effects on human health is
13 uniquely qualified in this area. He warns that the meters are not safe, and actually can cause
14 serious health issues, including electrical hypersensitivity. His brief video at
15 <http://www.electricsense.com/2225/smart-meter-radiation-3-things-you-must-know/> is
16 very good . The human suffering these meters have caused and will cause in the future is
17 unconscionable.

18 Since when is the utilities' need to control power usage put above the public's right to live in
19 a safe and healthy environment?

20 **Q. Given your sensitivity to voltage transients, also called *dirty electricity*, do you think**
21 **that you would be able to tolerate on your home a meter that generates dirty**
22 **electricity, whether or not that meter is a smart meter?**

23
24 **A. Definitely not. I need to be able to keep my analog meter.**

25
26 **Q. What do you feel is a reasonable accommodation to allow you to perform major**
27 **activities of daily living--working, sleeping, gardening, going to church, shopping,**
28 **etc.?**

29 **A. As long as these Smart Meters are deployed I will have significant issues performing these**
30 **activities . In the very least I should be able to keep my analog meter, and even neighboring**
31 **meters be removed if need be. If I move, request that Smart meters be removed and replaced with**
32 **an analog meter,. If I happen to move to a condo or apartment building, then those Smart meters in**
33 **the vicinity (even on my neighbors condos/apts) should be removed as well so I can at least live**
34 **safely and without pain.**

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EXHIBIT B

Patient	Date	Service Rendered	X-Ray Ref. No.
	1/13/12	neck & back @ RT	
		1) Alert Amiable	2) Cord
		No pain over SS	~~Cord~~
		(+) pain in (6) dist my/m.	Carman
			+ Creep
			Seed
			Extrad
		(+) pain over (6) ITIS	2) RT for
		to Ant. rotation of both	dist. my
		hips & hamstrings @	pain
		ext.	X10
		(+) scoliosis @	3) Consider
		impacted TMS	CS
		neck & back myofascial	4) Cord
		Post-alter	exercise
		(+) Shoulder pain	
		2 was	
	5-11-12	wt 136 BP 100/60 (C) 97.0 P 60 R 18 W 0	
		PE (lung) For @ Electro magnetic sensitivity (R1) (R2)	
	5/4	A/A Believes BNF is causing	
		her voice & neck problems	
		Certain churches/computers bother	
		her. none. turning off wifi	
		in home helped head/neck avoidance of	
		pains & voice reacts to	
		many environments	
			1) Discussed
			Chairs
			2) Avoid
			Post alter
			3) Rnky
			1500
			4) Purchase
			BNF detector
		1) Alert Amiable	
		RT seen by lantern due to	
		sensitivity to fluorescent	

Patient	Date	Service Rendered	X-Ray Ref. No.
5-18-12		* Food allergy ~~have sensitivity~~ Vif A def ~~AP~~ ~~1/10/12~~ ~~90~~ ~~1/10/12~~	6) Revised lab + meds 7) Vif A OBC BMP Creatinine a Salt Harbor 8) Rec Cortic release 9) 200mg of 1st 10) Wave Shield gold
5-22-12	WT 135 PP 100/60 (-) 973 P 60 R 18 RF 0	Discussed LDA A/A Has many ?'s about LDA Is on 100mg of Levothyroxine a day. Taking hormone despite being menopausal 20 to joint + muscle pain. 1) Discussed Primary sys RNF + chemical error of Sens of joint + neck pain, using est Had black mold in attic patches	2) A and Bad allergy

[illegible]

**PRE-FILED DIRECT TESTIMONY
OF [REDACTED]
MPUC Docket No. 2011-00262**

1 **Q. Please state your name, address and occupation.**

2 **A. [REDACTED]**

3 **Q. Was a CMP smart meter installed at your residence? If so, state**
4 **approximately the date when it was installed.**

5 **A. Yes, March 2012**

6 **Q. If a smart meter was removed and replaced by an analog meter at your**
7 **request, please describe the circumstances of your request or complaint to**
8 **CMP and their response.**

9 **Q. My partner and I opted out of the smart meter program with CMP soon after being**
10 **notified that one was to be installed. The decision was based upon the potential**
11 **for negative impacts to our health. We received a notification from CMP that a**
12 **smart meter would not be installed at this time. It was in the late spring or early**
13 **summer of 2012, that we noticed our meter had been changed to a digital format**
14 **and had a blinking light. We examined it, but nowhere did it say it was a smart**
15 **meter. We began comparing our meter to others that were supposed to be smart**
16 **meters, but because ours looked a little different we thought we were safe and did**
17 **not have a smart meter. During this time we began experiencing disturbed sleep**
18 **patterns as did our dog. In further investigating smart meters and what they look**
19 **like, we began to suspect that we did, indeed have one even though we were not**

1 supposed to. My partner finally called CMP and the woman with whom she
2 spoke was very friendly and informed her that we did have a smart meter. My
3 partner immediately requested that it be removed and this was agreed to with the
4 attempt to charge us for the change. My partner successfully argued that she
5 would not pay for a meter that we did not want to begin with. A few days later
6 my partner and I awoke and both of us stated how well we had slept. In addition
7 the dog had slept and had not gotten us up in the night which had become a new
8 routine. I suddenly asked my partner if the smart meter had been replaced and
9 she stated that it had been done yesterday. We both realized that it was the smart
10 meter that had been seriously disturbing our sleep patterns.

11 **Q. Are you paying the opt-out fees?**

12 A. My partner pays the electric bill and she is paying for the opt-out fees out of fear
13 of losing our service.

14 **Q. Please describe why you do not want a smart meter at your residence.**

15 A. We are both aware of the potential negative health effects of electromagnetic
16 radiation. We also learned that smart meters were banned in Europe. It was a
17 no-brainer to opt out of a program that very likely would negatively impact our
18 health. We also experienced first-hand that the smart meter caused both of us and
19 our dog to have poor sleep and this condition appeared to worsen over time.

20 **Q. Do you or any of your family members experience electromagnetic sensitivity**
21 **symptoms in proximity to radio frequency devices, such as Wi-Fi, microwave**

1 ovens, cell phones, cordless phones, smart meters or other devices? Please
2 describe the symptoms and the circumstances when they occur.

3 A. To date only the smart meter has negatively impacted our health. We have not
4 sensed such effects from other devices.

5 Q. If you have physical or medical conditions, including sensitivity to
6 electromagnetic radiation, have these conditions been diagnosed?

7 A. The condition of disrupted sleep was personally experienced by us, our dog and
8 our neighbor and her dog and cat. We did not need anyone to formally diagnose
9 the problem.

10 Q. Has your physician or other medical care provider made any
11 recommendations about exposure to electromagnetic devices, including smart
12 meters?

13 A. Our health care provider was never notified because there was no reason to do so.
14 Furthermore, we probably know more about the health effects of EMFs than does
15 our health care provider.

16 Q. Have you observed any pets exhibiting adverse reactions to smart meter
17 transmissions? Describe the circumstances.

18 A. Yes. Our dog's sleep patterns were seriously impacted resulting in restless sleep
19 and getting up 1 to 2 times in the night to go to the bathroom. This same pattern
20 was experienced by our neighbor with her dog and cat.

1 Q. If you had a smart meter for a period of time and experienced or observed
2 symptoms or adverse reactions, did those symptoms or adverse reactions
3 cease when the smart meter was removed? Describe the circumstances.

4 A. Yes. As soon as the meter was removed restful sleep was restored.

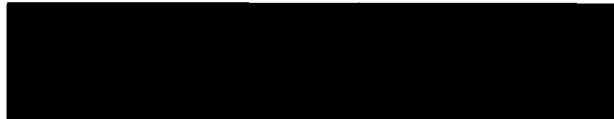
5 Q. Has your experience with smart meters caused any disruptions in your daily
6 living? Please describe the circumstances?

7 A. Yes. We were all tired and fatigued due to lack of sleep. This condition
8 negatively impacted our relationship and my ability to function efficiently at work.

9 Q. Please tell us anything else that you want us or the Public Utilities
10 Commission to know about your experiences and circumstances.

11 A. We will all be better off when corporate America actually cares and takes
12 responsibility for how it impacts peoples' lives.

Dated this 17th day of January, 2013.



STATE OF MAINE
WALDO, ss:

January 17, 2013

Personally appeared the above-named [REDACTED], and stated under oath that the foregoing Affidavit made by him is true and based upon his own personal knowledge, information or belief, and so far as upon information and belief, he believes the information to be true. Before me,


(Notary Public/Attorney-at-Law)

Name Typed or Printed Claudette Coyne
My Commission Expires: 1/20/20

**PRE-FILED DIRECT TESTIMONY
OF [REDACTED]
MPUC Docket No. 2011-00262**

1 **Q. Please state your name and address.**

2 A. [REDACTED]

3

4 **Q. Was a CMP smart meter installed at your residence?**

5 A. No. I refused it to allow its installation. I responded to a paper from CMP stating
6 that I did not want the smart meter.

7 **Q. Are you paying the opt-out fees?**

8 A. Each month I pay my bill, but do not pay the opt-out fee. I work as a nurse's aide in
9 a nursing home. It is very difficult to stay current with my bills on my limited
10 income. Charging extra fees to protect my health is just not right.

11 **Q. Please explain why you do not want a smart meter at your residence.**

12 A. I believe that the electromagnetic radiation emitted by smart meters can be
13 dangerous to my health. I have had cancer in the past and do not want to take any
14 risks. I have read articles that convinced me of the potential health risks from
15 exposure to radio frequency radiation like smart meters. Attached as Exhibits A
16 and B are a couple of the articles I have read on the subject.

17 I should have the right to limit my exposure to potentially harmful radiation in my
18 own home. I should not be charged extra fees for wanting to maintain a healthy
19 environment in my own home.

20 **Q. Do you use other devices that emit radio frequency radiation, such as Wi-Fi,**
21 **microwave ovens, cell phones, or cordless phones?**

22 **A.** I have a microwave oven, but I never use it. I have a trac phone that I use
23 infrequently and turn off whenever I am not using it. I do not have a computer.

24 **Q. Has your experience with smart meters caused any disruptions in your daily**
25 **living? Please describe the circumstances?**

26 **A.** Yes. Every time I called CMP to say that I don't want a smart meter and can't
27 afford to pay opt-out fees I was crying my eyes out. Then there is the anxiety and
28 fear they will shut off my power.

29 **Q. Please tell us anything else that you want us or the Public Utilities Commission**
30 **to know about your experiences and circumstances.**

31 **A.** I have called CMP several times saying that I do not want a smart meter and cannot
32 afford to pay their opt-out fees. A lady called me to talk about this stating that the
33 fee was voted on and someone (in government) said CMP has a legal right to charge
34 us the fee. She said my bill will be allowed to go up to a certain amount (because
35 the fees are adding up) then CMP has the right to shut my power off.

29 A. Yes. Every time I called CMP to say that I don't want a smart meter
30 and can't afford to pay opt-out fees I was crying my eyes out. Then
31 there is the anxiety and fear they will shut off my power.

32 Q. Please tell us anything else that you want us or the Public Utilities
33 Commission to know about your experiences and circumstances.

34 A. I have called CMP several times saying that I do not want a smart
35 meter and cannot afford to pay their opt-out fees. A lady called me to
36 talk about this stating that the fee was voted on and someone (in
37 government) said CMP has a legal right to charge us the fee. She
38 said my bill will be allowed to go up to a certain amount (because the
39 fees are adding up) then CMP has the right to shut my power off.

Dated this 18 day of January, 2013.

STATE OF MAINE
OXFORD, ss:

January 21, 2013

Personally appeared the above-named [REDACTED], and stated under oath that the foregoing Affidavit made by her is true and based upon her own personal knowledge, information or belief, and so far as upon information and belief, she believes the information to be true. Before me,

Patricia Jane Galloway
Notary Public/Attorney at Law
PATRICIA JANE GALLOWAY Justice of the Peace
My Commission Expires September 17, 2013

Name Typed or Printed

My Commission Expires: _____

A Clear Call

America Unplugged - A Guide to the Wireless Issue

by B. Blake Levitt

The following was presented by award winning author B. Blake Levitt at the Berkshire-Litchfield Environmental Council: Environmental Tower-Siting Conference, held in Connecticut on May 10, 1997.

As the author of a consumer-oriented book on electromagnetic fields, which has an inclusive section on the radio-frequencies, I get calls from all over the country from worried homeowners and parents with telecommunications towers going up in their communities. I also get calls about satellite uplinks and power lines, and radio and TV towers. But by far, the greatest number of calls are about cellular and PCS systems, usually from extremely distraught people who have suddenly discovered that a cellular tower is planned near their homes, or on their children's school property.

Their driving concern is always the medical issues, with aesthetic concerns, and property devaluation following closely behind as part of the entire package. They are typically appalled to find out that their local governing agencies, as well as their boards of health, are not only uneducated on the health issues, but often apathetic and powerless to boot. And they are enraged that the telecommunications companies claim to have the ability to place towers in communities that don't want them. Most people at the local level, citizens and municipal agents alike, know nothing about the preemption moves by the telecommunications companies at the FCC over the last few years. But when they find out, they become angrier. The anger is often directed at the perceived apathy and incompetence of the planning and zoning officials. In Connecticut, it's often directed at the state siting council.

Every community across the country is facing what we are talking about here today. In fact, most communities have been involved with tower siting battles for several years now. Litchfield County has been very lucky so far. There are people in this audience from other states, and different areas of Connecticut, with war stories to tell us.

This is a serious business. An estimated 100,000 new cellular towers utilizing the 800 to 900 MHz frequencies (the so-called "old" systems) are

scheduled to go online across the country by the year 2000. An additional four new PCS carriers using the 1 to 3 GHz range were recently approved by the FCC for each area. That system will add many hundreds of thousands more. PCS antennas need to go every 2 to 8 miles apart. That's 2 to 8 miles apart, times the four carriers. The systems don't share frequencies so they all need their own antennas. By law, we have to site all four. That's a lot of antennas. Litchfield County cannot remain unscathed much longer, especially with our substantial population of weekenders who bring high discretionary incomes, and who already own cellular phones which do not work out here.

Siting the antenna necessary for the technology is a planning and zoning nightmare, and a serious threat to our health and environment in ways that Congress simply did not understand when they passed the Telecommunications Act of 1996. Legislation moved so fast through the last Congress that most of the legislators in Washington, who were voting on the Telecommunications Act, didn't even know what the implications of those preemption clauses were to their constituents back home. Now everyone is finding out, and no one is happy about it. Legislators all over the country are getting flack for this, and major sections of the act are likely to be revisited by Congress.

FCC Cheerleading Squad for Industry

Many observers think that the FCC is a government agency run amok under the directorship of Chairman Reed Hundt, a man with a reputation as a rigid free-market ideologue and a technophile. He seems more interested in stimulating the economy, and auctioning off our air waves, than in monitoring the communications companies. Martin Nolan, the respected Boston Globe columnist recently called Hundt's FCC "a cheering squad for the industry it supposedly regulates." Many also think that the very limited frequencies of the electromagnetic spectrum, which belong to the U.S. citizens like our national forests and other important resources, should not be sold off to private corporations without a public debate on the order of what occurs when logging or

Continued on next page...

A Clear Call continued...

oil drilling rights are sold in our forests. But such a national debate about selling the spectrum hasn't occurred, probably because the very finite "real-estate" that is the spectrum is invisible. It remains a monumental public policy issue that very few of us, as citizens, have had an opportunity to comment on before this telecommunications buildout occurred. The FCC is bending over backwards to help the industry, but no one is really protecting the best interests of the citizens, or the communities. And the subject seems so esoteric to most of us, that we are unaware of the fact that we should be concerned. Until, of course, a tower goes up in our back yard...

Before the Telecommunications Act became law, numerous communities across the country were simply banning cellular phone towers outright.irate citizens who looked at the health issues, which are real, simply refused to take the risks and insisted their town governments back them up -- which many did. The industry's response back in 1993 was first to petition the FCC to preempt all state and local zoning. Very few people knew this was happening at the federal level. It was a major power-grab of local and states rights by the telecommunications giants. Not since the robber-baron days at the turn of the last century, and the building of railroads, has there been such contempt for local land-use authority. There was not a single press article on the preemption moves at the time, that I am aware of. The petitions were filed two days before Christmas, after government officials had left for the holidays, and at a time when it was thought that most FCC observers would be otherwise occupied. There was only a 30-day public comment period. Nevertheless, a number of people, including several activists in this room, managed to get the word out quickly so that others, like the American Planning Association, the Connecticut Siting Council and Attorney General Richard Blumenthal, among others, had the opportunity to comment.

The FCC, by its own admission, is a licensing and engineering agency which defers to other agencies for research and standards setting. It

wisely turned down the preemption requests because to do otherwise would have been flagrantly outside their authority, not to mention against the 10th Amendment of the U.S. Constitution. Industry then went searching for a legislator to champion their cause at the legislative level and found one in Senator Klug from Wisconsin who introduced preemption clauses into the huge and complex telecommunications bill. Again, there was a mad scramble to educate concerned people and organizations about this new power-grab. Activists

were frantically lobbying representatives and senators, who knew nothing about why these clauses were in there, or even what they meant -- They certainly didn't know

"We are irrevocably altering the electromagnetic signature of the world. And we are doing this with no clear understanding of the implications to humans or other species."

that there was a raging debate about the health effects of the radio-frequencies that had been going on for decades in scientific circles. A last ditch, bipartisan effort by Senator Diane Feinstein, a California Democrat, and Senator Kempthorn, an Idaho Republican, tried to remove the clauses, but that effort was defeated by a narrow 56 to 44 margin on the Senate floor. That will give you an idea of the kind of pressure that legislators have been under from their constituents to not allow this industry to have a clear, carte blanche shot at the country, as if there were no problems with this technology. But industry prevailed, due in large part to the pro-business, anti-environmental attitudes of the last Congress, a deal-making Clinton administration, and millions of dollars poured into re-election coffers by the telecommunications companies. Ask Senator Joseph Lieberman how he voted. And ask how much money the telecommunications companies donated to his campaign.

What became the law of the land in Section 704 of the Telecommunications Act was this: State and local governments preserve their authority over the placement, construction, and modification of personal wireless services. But they cannot discriminate among providers, nor prohibit -- directly or indirectly -- the provision of such services. The section further preempts state and local regulation of such placement on the basis of the

Continued on next page...

A Clear Call continued..

environmental effects of radio-frequency emissions, to the extent that such facilities comply with the FCC regulations for such emissions. That last statement goes directly to the heart of the problem. It's also like having an elephant in the room and trying to ignore it.

Local vs. Federal Control

Many people inside and outside of government know that all of this is on legal thin ice. Even the FCC admits they are surprised that no one has challenged this at the federal level yet, with an eye toward a Supreme Court case. Everyone seems to be waiting for that one tenacious community, with deep pockets, to draw the line, and just say no. There are significant legal issues regarding zoning and siting determinations; challenges to health and public policy authority regarding radiation standards-setting; property-rights and illegal takings regarding real estate devaluation; and even free-speech issues regarding our ability to simply discuss the environmental effects of the radio-frequencies at local planning and zoning meetings. These are a lot of rights that are in danger, and it's a classic battle of local vs. federal control.

The telecommunications industry is not a "nice" industry. The representatives who appear at the local level are usually great. More helpful people you won't find anywhere. They always want to "work with the towns." Offer to pay for fire, police and ambulance radio services on top of their own. That's an intentional strategy. They hold workshops to teach them this approach. And they teach them how to handle the media. But the industry behind the scenes is a multi-billion dollar conglomerate that plays big-time political hardball. Local zoning regulations are a major hassle to them and they want us out of the way, except as users and payers for their service.

Industry Moves to Ban Moratoriums

Among their most recent moves — which, again, most people are unaware of, and about which the press is asleep — include a request that the FCC ban local communities' ability to set temporary moratoriums; and a request that the FCC declare it illegal for communities to make the providers prove that they are in compliance with the RF emissions regulations. They are also trying to get the FCC to forbid discussion of the RF health effects at zoning hearings. But the most ominous move is going on as we speak. Industry has asked the Senate Commerce

Committee to preempt all state and local siting authority again, to consider telecommunications as an interstate commerce issue. That committee does have the authority to override state's rights. There's a two-week comment period that will start ticking around Wednesday. Consumers have been banned from commenting at the hearings. Industry is heavily represented. It's difficult to get any information about it, but I urge people to write. And Reed Hundt may declare moratoriums illegal as soon as next week. Well over 300 towns across the country have moratoriums in place. Industry doesn't want us to study this situation. The FCC is happy to oblige. Hopefully, there will be a public outcry that will include the voices of the people in this room.

All of this is by the way of political background. I'm a firm believer in understanding the big picture before getting to the nitty-gritty. But my real job here today is to talk about the medical and science issues. I hope to scare the planners and zoners in the room into doing the right thing to protect the towns. I hope to inspire the legislators in the room to re-think these laws and maintain local control. And I hope to encourage everyone to write their legislators who are not present, and say enough is enough.

Despite the preemptions, there's a great deal that we still can do. You just have to know why certain recommendations are being made in order to take them seriously. It's very tempting to consider the prospect of communications towers on scenic ridgelines or in neighborhoods as merely an aesthetic problem. And it's also very tempting to just hide them in church steeples, or on barn silos, or atop tall buildings, or to shield them in state forests. That's what you do to solve the aesthetics. But the health and scientific problems associated with this technology are much more complicated than that — as the telecommunications industry well knows.

The Medical Issue

So what are these medical issues, and what research backs them up? First, let me emphasize that at its core, this is a medical issue. The aesthetics and property devaluation problems are a by-product of the main concerns and will fall into line when the medical consequences are better understood.

When the industry talks about "environmental" effects, they mean health effects in humans. They are so afraid to say "health effects"

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A Clear Call *continued...*

and "cellular phones" in the same sentence that they have made the language fuzzy. The research for the radio-frequencies is nowhere near as abundant as it is for the 60 Hz power line frequencies. Some would say this is not an accident; that you can't find what you're not looking for. But a substantial amount of research does exist, certainly enough to get the general-lay-of-the-landscape.

One central problem exists with the RF research, though. Scientists are impatient humans like everyone else, and they want answers to their questions quickly. A lot of the studies used to determine human exposure standards are based on high-power, short-term test designs that are then used to extrapolate downward in order to arrive at presumed safety levels. But most exposures to the radio-frequencies in the real world, especially for those living near antennas, are of the long-term, low-level variety. These have very different biological parameters associated with them. So a lot of the research that's been done is of an inappropriate kind, and it's being used to reach inappropriate conclusions. The low-level, short term studies are much fewer, but every one of them is disturbing.

Radiation is a natural part of the universe. We are bathed in a constant stream of electromagnetic radiation produced by the power of the sun's solar winds, which give off high-energy ionizing radiation like x-rays, infrared, ultraviolet, gamma and cosmic rays, and some radio/microwave frequencies too. These interact in a complex way with the magnetosphere, which protects the earth from this barrage otherwise we wouldn't exist on this planet; as well as the ionosphere and the atmosphere closer to the earth.

The earth itself is a giant dipole magnet (like those little bar magnets we all played with as kids) containing a north and a south pole. Micropulsations in the 10-hertz frequency range constantly emanate from the earth's core. Scientists used

to think these micropulsations were an interesting but meaningless phenomenon. Today they think all living things are in a complex relationship with it; entrained by it, in fact. Entrainment phenomenon can be thought of as what occurs when a mother and child sleep together and their breathing rates synchronize. Energy is what we respond to, like plants to light. Every living thing is in harmony with these subtle signals. It's been found to control our most basic circadian biorhythms, our sleeping/waking cycles, important hormone production such as melatonin, and some crucial aspects of cell division itself. Human brain waves, in

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- ☐ A sample of zoning by-laws from Massachusetts, Connecticut, New York and Washington. Includes liability indemnification clauses for your town, setback information, and how to write zoning regulations for FCC-defined "adequate" coverage, rather than the blanket coverage preferred by industry.

- ☐ An updated RF test protocol, with recommended equipment to measure the environment before a tower goes on-line, and afterward, as well as on a regular basis to make sure installations are in compliance with FCC regulations.

- ☐ FCC Fact Sheet

- ☐ Sample moratorium language

- ☐ The Stamford, Connecticut Health Department Ordinance — considered the best in the country when reviewing RF applications, together with an article from the Johns Hopkins Applied Physics Laboratory Technical Digest which discusses the ordinance.

- ☐ Connecticut Siting Council Guidelines on what to consider with tower applications.

- ☐ Miscellaneous articles from *The Washington Post*, *Computers & Technology*, and *Radio Communications Report* among others.

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A Clear Call *continued...*

fact, function mostly around the 10 Hz frequency, just like these micropulsations. Other species also rely on this natural magnetic background. It is known to determine bird and butterfly migration patterns for example, among many other things.

Not All Energy Is Alike

But not all energy, which is expressed in wavelengths and frequencies, is alike. Nor is its properties, or effects. The electromagnetic spectrum is divided into ionizing and non-ionizing radiation. Ionizing radiation, like x-rays, is powerful enough to knock electrons off of their cellular orbits and therefore cause genetic mutations. The non-ionizing bands, like the microwave and radio frequencies, aren't powerful enough to do that, but can cause a range of other reactions such as tissue heating, like what occurs in a microwave oven. The dividing line between ionizing and non-ionizing radiation is in the visible light range, around the ultraviolet band, but no one can say precisely where one leaves off and the other begins. This is a concern for consumer products like color TVs and computer monitors which are multi-frequency products. A TV plugs into the wall at the extremely low frequency power line range of 60-hertz, and utilizes energy all the way up through the light frequencies. At the top end of the range, x-rays and UV particles are being given off. That's why it's a good idea to sit at least six feet from such screens.

Most medical doctors know nothing about this. What we're talking about are the subspecialties called bioelectromagnetics and biophysics -- arcane disciplines that are not taught in medical schools. But it has been known for years that the human anatomy is actually resonant -- in the strict physics sense of the term -- with the FM-frequency bands, and that the brain reaches peak absorption in the UHF bands -- right where cellular telecommunications operate. Some researchers think that a worse frequency could not have been chosen for the emerging technology regarding the human anatomy. Resonance, by the way, is what happens when an opera singer hits high-C in the presence of a crystal glass for a sustained period, and it dramatically shatters.

Light Bulb Theory Burnt Out

Telecommunications representatives at

public hearings and in the press routinely blur the distinctions between frequencies, likening their installations to 25 and 100 watt light bulbs in an attempt to confuse and placate concerned citizens. What they leave out is that their systems operate at ultra-high frequencies (UHF) in the microwave bands, which are maximally absorbed by human tissue. And they also don't specify that each channel is 100 watts. Channels can be split as user demand increases, and there can be hundreds of channels on some towers. This is no longer a low-powered transmitter suitable to sit on top of someone's barn silo, but rather something closer to the power output of a local AM-radio station. It is crucial that the towns be careful where they initially allow these installations to go. Any installation site will inevitably grow as others piggy-back onto it. And because they are what's called "line-of-sight" technologies, the initial sites will also determine the placement of the others. A regional plan is imperative if Litchfield County, ten years from now, is to look anything like it does today.

Not Safe At Any Level

But again, it's not just about aesthetics. Research exists to indicate that there are some frequencies which may be unsafe at any intensity, no matter how low the power is turned down. This is a critical point in siting considerations. The FCC standards are based on what's called a "thermal model", meaning the RF-frequencies ability to heat tissue like microwave ovens cook food. It is presumed, in thermal models, that if the power is turned down low enough, or if exposures are kept short enough, heating will not occur -- which is true. And so each time a tightening to this standard is attempted, either the length of the recommended exposure is reduced (which no one abides by anyway), or the power is turned down. But this is not enough.

Serious Nonthermal Effects

A range of non-thermal effects have been observed since the 1940's when the U.S. Bureau of Ships began studying health effects in Navy radar personnel during World War II. In 1953, Dr. John T. McLaughlin, a medical consultant at the Hughes Aircraft Corporation, noted for the first time in radar workers, internal bleeding, leukemia, cataracts,

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A Clear Call continued...

headaches, brain tumors, heart conditions, and liver involvement with jaundice, as effects from microwave/radar exposures. Other early research found disturbing blood abnormalities, cataract formation, and various cancers at non-thermal exposure levels.

Another early researcher, Dr. Allen Frey, reported in 1975 changes in the blood brain barrier in rats exposed to pulsed microwaves -- similar to what's used in today's new digital PCS systems. Increased blood brain barrier permeability has since been noted by several other researchers as well. The blood brain barrier is what protects the brain from access by any number of toxins, bacteria and viruses. It's not a good thing to tamper with its sentinel functions. Frey also noted in his early work -- which he recalled at an FDA conference -- that he and his laboratory assistants, as well as their test subjects, all developed severe headaches during the course of their microwave studies. He resolved back then not to use humans as test subjects after that.

The Body Electric

Frey's recent comments are in response to thousands of complaints about headaches in cellular phone users that are now surfacing around the world, much to the amazement of mainstream medicine. But anyone who knows anything about this subject is not surprised by these so-called "new" reports. Humans truly are "electrical" beings. The heartbeat is electrical. Brain waves are electrical. Most hormonal and neuronal activity is electrically regulated. Some crucial aspects of cell division itself are too. In humans, the eye was thought to be the only organ that had evolved to perceive a band of the electromagnetic spectrum -- that of visible light. But recent research has found that the pineal gland, located deep within the center of the brain, is probably a "magnetic" organ which determines our sense of direction, among other things. One could argue that not much happens in the human anatomy that isn't electromagnetic. So why wouldn't we react negatively to some frequencies, or, then again, positively to some others? In fact, many non-ionizing frequencies are used therapeutically, because of their deep penetration ability. Diathermy treatment is an example. And laser surgery, which is widely used today in surgical practices and a great improvement over traditional scalpel methods, uses highly concentrated light frequencies of different

colors. Each color has its own properties. So how good an idea can it be to have a cellular phone transmitter placed against the head on a regular basis? Those transmissions go directly through brain tissue. Living near a cell tower does the same thing.

Most laypeople understand this on a powerfully intuitive level. We experience ourselves as whole "energetic" beings -- as far more than the mere sum of our individual parts. It's easy to intuit that there could be a problem if we are subjected to an array of artificial energies. And that's why those who live near telecommunications installations are worried and threatened, and why parents across the country try to stop towers from being sited on school property. It isn't because they are hysterical NIMBYS, or anti-technology, as industry would have us believe. These become involuntary exposures when people are forced into them.

Without going through a long list of research findings, which usually bores everyone, let me point out just a few high spots... For those who want more detail, there's plenty in the book...

Here's what's been recently observed that translates to this technology, and hopefully to your planning and zoning, and legislative decisions...

Adey Research

There's the window-effects work of Dr. William Ross Adey, a neuroscientist at the Veteran Administration Hospital in Loma Linda, California, and Dr. Carl Blackman, a biophysist at the EPA Center at Research Triangle Park, in North Carolina. These two researchers have found in a series of studies that the human anatomy has critical "windows" which responded to some frequencies, but not to others. At set intervals in the non-ionizing bands, they observed changes in calcium ion flow. Calcium is the body's information "currency." Cells use it for any number of critical functions. It's not a good thing to tamper with. What they actually found was a kind of ion channel "dumping" of calcium that was quite dramatic. It could have effects on many cell functions, including cell division.

Szmigielski Findings

Then there's the on-going work of Dr. Stanislaw Szmigielski and his co-researchers at the Center for Radiobiology and Radioprotection in Warsaw, Poland. In microwave and radar personnel, they have noted sharp increases in cancer --

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A Clear Call continued...

including lymphomas, melanomas, leukemias, and brain tumors — high blood pressure, headaches, memory loss, and brain damage. They also noted immune system abnormalities; first an over-stimulation, then later immune suppression after continued exposure to low levels of the microwave bands. That's an important observation with this work because sometimes researchers note immune system enhancement and conclude that some of these exposures are actually good for people. In fact, Ross Adey completed work this year for Motorola studying test animals for exposures like those of cellular phones, and found just such a probable immune enhancement — at non-thermal levels. Some in the popular press extrapolated from this that cellular phones protect users from brain cancer. Researchers need to continue the tests beyond that initial phase to see what really occurs.

Guy Examination

In 1984, Dr. William Arthur Guy, at the University of Washington in Seattle, found an increase in malignant endocrine gland tumors, and in benign adrenal gland tumors in test animals. This was a five-year, \$5-million dollar study of long-term, low-level exposures that was funded by the U.S. Air Force. The study also indicated immune system malfunctions in that nearly all of the initial test animals died from infections. The studies had to begin again from scratch.

Lai Singh Investigation

In 1994, Drs. Henry Lai and N.P. Singh, at the University of Washington, Seattle, found both single and double-strand DNA breaks in test animals exposed to cellular and PCS-frequency pulsed microwaves. Double-strand DNA breaks are

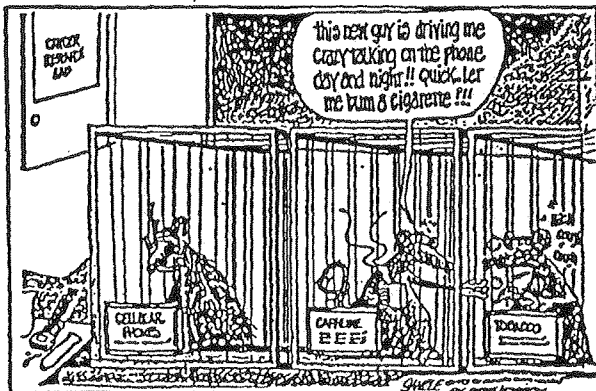
thought not to repair themselves and can lead to mutations. Dr. Lai just announced at an FDA workshop on this subject that in recent follow-ups, they noted that such breaks were blocked by the hormone melatonin. Melatonin, in several studies has been found to be suppressed in power line frequency exposures. Often, wireless technology is "modulated" with such ELF frequencies. There are complex synergistic relationships with many of the non-ionizing bands that fall well outside the range of thermal effects.

Repacholi Research

A recent Australian study hot off the presses that hasn't been reported in America yet, has found a significant increase in B-cell lymphomas in test mice exposed to long-term, low-level pulsed microwave frequencies in the cellular and PCS range. Changes in B-cells in the immune system are implicated in roughly 85% of all cancers. The study was funded by Telstra, the telecommunications conglomerate, and headed up by Dr. Michael Repacholi, an industry researcher widely known to espouse that cell phones are safe. Additional significance of this study is the fact that these changes occurred at what are called "far-field" exposures, not the near-field exposures such as would be experienced by cell phone users themselves. This has implications for those living near transmitter sites, as well as those in the immediate presence of people using cell phones. It's like the secondary smoke issue. Stand back from someone using a wireless device. Even the FDA recommends this, but few people know about it.

Kirschvink Findings

Another important body of work comes from Dr. Joseph Kirschvink, a geobiology professor at the California Institute of Technology. In 1992, Dr. Kirschvink discovered magnetite in human brain tissue in the blood brain barrier and the meninges which covers the brain. Magnetite interacts a million times more strongly with external magnetic fields than with other biological material. Although it has been known for years that bees, butterflies, birds and fish manufacture magnetite — often in thick clusters, or in long crystal chains, and use it as a navigational tool, it was thought that humans did not manufacture their own magnetic material. Any regulations for these technologies which surround us are based on a



Continued on next page...

A Clear Call *continued...*

presumption that humans do not manufacture magnetite. This body of work has profound implications for the safety of MRI scans for instance, as well as wireless technologies.

Bise Research

Another study that I find haunting was conducted by Dr. William Bise in 1975, using ten human test subjects. Bise found severe alterations in human electroencephalograms at microwave and radio-frequency power levels that have now become common in many urban areas. The year-long study documented a kind of entrainment of test subjects brain waves with the external exposures, and radical changes in mood and behavior. That study alone should give us pause. Some frequencies are known to suppress serotonin production in the brain. Low serotonin is implicated in depression (that's what Prozac boosts), in increases in suicides and in violent aggressive behaviors.

Other researchers have noted significant increases in cancers of the liver, and breast cancers in RF/MW exposed groups -- all at levels thought to be safe, and which fall well within the FCC standards of today.

FCC Standards Inadequate

I trust everyone is getting the general theme... The research exists, and it is credible. It's a question of pulling it together and seeing it for what it is. I've only scratched the surface of it here. The FCC standards that are supposed to protect us, are inadequate. What's important to know, as planners, is that although you can't set more stringent standards at the moment, you can site installations in a way that accomplishes the same thing. It often takes decades for public policy to catch up with scientific research. We need to err on the side of caution as best we can in writing zoning by-laws. It's the one real handle we actually have.

An amazing paradox keeps popping up in this research. It's something that is usually ignored, probably because we just don't know what to make of it. The paradox is this: It is often observed that the most profound bioeffects occur at the lowest intensities... Researchers call it a "non-linear effect." It's probably due, in part, to entrainment phenomenon, and our relationship with the earth's natural fields. In the past, when an environmental "pollutant" has been identified, we've surmised a

theoretical safe level and tried to regulate it there. But if the energy modalities turn out to be more bio-reactive at the lowest levels, what does this do to our common regulatory wisdom? It turns it completely upside down.

It looks like we are dealing with a new scientific model with these energy modalities. The cutting-edge of most medical research is quickly undergoing a paradigm shift that's so subtle, that most researchers and clinicians are unaware of it, even as they incorporate it into their own practices. We are gradually shifting our understanding of the human anatomy from the familiar chemical-mechanistic model, to a much more refined, interesting, and complex emphasis on the human anatomy as a coherent electrical system.

With the wireless juggernaut now sweeping the country, however, an immense problem arises. Our standard regulatory approach is based on the conventional toxins model, such as chemical pollutants. But if we are dealing with a new model in which the most profound effects occur at the lower exposures, that toxins model is not only ineffective, but may actually be detrimental. We simply don't know. In the meanwhile, this technology is creating a seamless shield of new exposures in extremely close proximity to the population for the first time in our evolutionary history, often with characteristics -- such as digital signaling and unusual wave forms, that are simply not found in nature. We are irrevocably altering the electromagnetic signature of the world. And we are doing this with no clear understanding of the implications to humans or other species.

Don't let anyone tell you that the addition of these wireless services is just a drop in the bucket given that "energy happens." It's just not so. And perhaps if more consumers understood the legitimate medical issues which underlie this, namely that it may not be a good idea to have a transmitter of any kind against one's head -- no matter how low-powered, that fewer people would be rushing to buy cordless and cellular phones. If consumers understood that when they use wireless products, they are not just irradiating themselves but everyone else around them too, they might re-think their use of such devices.

What To Do Now

So what would be helpful right now? Given the fact that the horse is already out of the barn, and

Continued on next page...

A Clear Call continued...

we're probably going to have to site some towers... Others will speak to these points but here's a fast glimpse:

1. Institute 6-month moratoriums while you study the options. Have something on the books, or at least ready to go in case applications come in.

2. Write effective planning and zoning by-laws that establish "by-right" zones where telecommunications facilities can be sited, but nowhere else. Keep these zones away from residences, schools, hospitals, and nursing homes. (New Zealand, by the way, bans them on school property.) Establish large set-backs near such areas. If the towns own the land, and I recommend that they do, they can control the area around the facilities, and reap the licensing fees to benefit the taxpayers.

3. Don't allow private entrepreneurs to start telecommunications installations -- especially in residential neighborhoods. Most of the time, such entrepreneurs don't have the vaguest idea what they are getting involved with. This has become a nightmare in some communities. As installations grow, which they inevitably do, they become extremely complex, hazardous electromagnetic environments that become impossible to measure. Farmers in particular are vulnerable to approaches from the industry. While everyone wants to see our farmers make a good living, this can actually devalue everyone's property -- including their own. It also opens them to liability suits for a number of claims. There is no statute of limitations for EMF suits for health damage. There is also a move by industry at the FCC to shift all liability onto the site owners. Most people who are approached, or who offer their own land, are not told any of this, and they rarely know about the health effects other than what industry literature tells them.

4. Don't be tempted to lease space on town-owned buildings if those buildings are near populated areas. Don't be tempted to hide them inside silos or church steeples. This is not just about the aesthetics.

5. Make sure you have tower-sharing regulations in your zoning laws. Make every tower or new antenna array justify its placement. If existing towers are present, make newcomers lease space there, rather than establish new sites. Make

them prove from an engineering study that existing sites won't work. Economic reasons are not good enough to justify new tower sites. Get independent engineering reviews and make the companies pay for them. In cases where development has encroached on existing installations, either move the transmitters, or buy out the residents.

6. Establish regional transmitters, and group as many RF users together as possible. Create large setbacks near such facilities (miles, if possible -- not just feet), and regularly monitor them. Measure the ambient backgrounds at different distances and heights. Pay particular attention near metal objects and structures like water towers and metal roofs. High RF concentrations can occur near them. Keep a log at zoning offices and health departments. We have an unusual opportunity in Litchfield County to explore a regional approach. That option has already been lost in more populated areas of Connecticut.

7. Establish regular emissions monitoring, using specific measurement protocols, for all transmitters by independent licensed RF engineers. Require that the companies pay for this monitoring on an annual basis. The state cannot, and will not do this. Neither will the siting council. Communities have been asking them for years. One engineer can be shared by several towns. If a facility is found in violation of the FCC standards -- either by single users or in the aggregate -- impose daily fines until compliance is reached. After a set time, shut them down if the problem is not fixed.

8. Require pre & post testing, according to specific measurement protocols. Measure before a transmitter goes online, and after it goes online. This is the only way to accurately assess what we are changing in the environment, and when. It is also the best way to provide medical researchers with a baseline guide for future epidemiological studies. Such studies are often thwarted by the absence of this exact piece of information.

9. Restore and protect state and community rights in tower siting. Local communities know their typography much better than a distant engineer's computer model, or the siting council. And if a majority of people in a town want to live in a wireless deadspot -- that's their right. Let them.

Continued on next page--

A Clear Call *continued...*

10. Encourage satellite-based systems, such as Motorola's Iridium Network, which will greatly reduce the number of ground based transmitters. For those who use cellular phones, inform them of the associated risks with the higher-powered handsets that would have to accompany such a distant system. At least these exposures would then be voluntary, and hopefully based on informed consent.

11. Declare in your regulations that wireless technologies are not public utilities. Public utilities can go into residential areas unchallenged. These are for-profit businesses, and their service is a discretionary use.

12. Keep all liability on the providers of the services. It's the only way to keep industry responsible and accountable. Do not allow liability to be shifted onto the site owners. Make the companies indemnify the towns and site owners with a blanket coverage. Make them post bonds in the event that facilities become obsolete and must be removed.

13. Keep the courts accessible to those who seek damages. It is the only recourse of fairness for consumers. Restore the ability of attorneys who are federally funded in community law offices to file class action suits on behalf of consumers. This is another right that was recently taken away without enough fanfare.

14. Tell your legislators not to consolidate so much power at the FCC. We have paradoxically given them vast new authorities, yet cut their budget. Nine FCC field offices were closed last year. They were never adept at policing the local level for RF safety. Now they've abandoned even the pretense of it, and have in fact shifted that responsibility entirely onto the states and local communities. The FCC cannot even provide a complete list of all the transmission facilities in the U.S. The Connecticut Siting Council, by the way, can't either. This whole situation has created gaps in consumer safety that are too big to bridge without regular monitoring at the local level. Also tell your legislators to pay attention to preemption moves where ever they come up.

15. And last but most importantly, lobby your legislators for a comprehensive government research program for the

radio-frequencies. The only research being done today is by industry, which some liken to the fox guarding the chicken coop.

A government RF program should include — but not be dependent upon — matching funds from industry. Such a program should be protected from the political follies of changing administrations, as well as undue influence from industry, and great care should be taken to keep it unpoliticized. It should be housed at the EPA or the National Institutes of Health, but not at the Department of Defense. Such a program should fund the appropriate research — meaning long-term, low-level, continuous exposures across a range of non-ionizing frequencies, with modulation and other common characteristics taken into consideration. And the research should have a focus on understanding the non-thermal bioeffects.

Congress called for such research over 20 years ago, but it never came to pass. It is suddenly imperative that we have the answers to the medical issues in the face of wireless America. This buildout should not be allowed to continue without that information. Only when the medical and environmental issues are better understood, will the side-issues like siting, aesthetics, economics, and property devaluation, fall into line. In the meantime, we have what we've always had — the ability to write good, strong-zoning regulations to protect our communities.

B. Blake Levitt is the author of Electromagnetic Fields, A Consumer's Guide to the Issues and How to Protect Ourselves (Harvest Books/Harcourt Brace, 1995). She can be reached directly at 355 Lake Road, Warren, CT 06777; phone (860) 868-7437.

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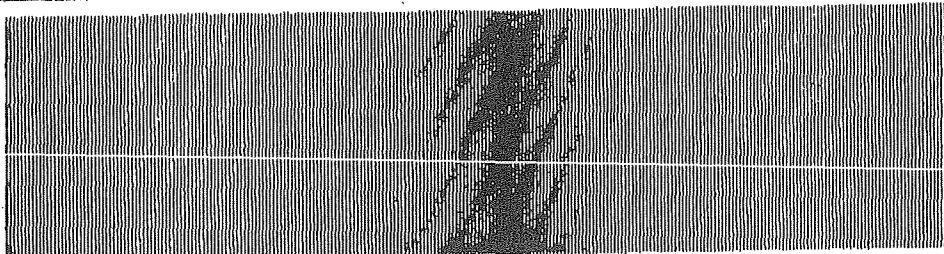
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MICRO WAVE NEWS



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A Report on Non-Ionizing Radiation

January/February 1997

INSIDE...

EMF NEWS pp.2-7

Power Line Talk:

Stossel and ABC on EMF Risks • More
Ado on NAS-NRC Report • Consumers
Union Says Electric Blankets Are Safe •
Brussels Meeting Raises Eyebrows •
NCRP Talks and EMF Report

WHO's EMF Project Gets No U.S. Dollars
New York Property Lawsuit Loses Round
Appeals Court Upholds Glazer Suit Dismissal
Electric Fields in the Limelight Again
EMF RAPID Biomedical Research Grants
EMFs Tied to Lou Gehrig's Disease
Alzheimer's and ALS References

HIGHLIGHTS pp.8-12

Wireless Notes:

Industry Complaints on Sitting Delays •
FCC Forum • CWA-EMR Alliance and PCIA
on Towers • PCS and the EM Sensitive

Blaming Wireless Technology:

Wacky Cash Machines; Bad Vibes at
Home and a Haywire Security System

FCC Delays New RF/MW Rules for Towers

EC Plan for Wireless Research

Motorola Win in Georgia Cell Phone Case

RF/MW-Cancer Link References

FROM THE FIELD pp.12-15

Flashback: 5, 10, 15 Years Ago

Motorola: "War-Gaming" Lal-Singh Study

Air Force's RF/MW Mind Games

Blank Verse on Physicists

Clippings from All Over

CONFERENCES p.16

1997 Calendar (Part II)

UPDATES pp.17-18

Clandestine Colon Cancer • Pacemaker EMI
Papers • People in the News • NRPB RF
Pamphlet • Annotated Bibliography

VIEWS ON THE NEWS p.19

Plus Ça Change: Why We're Running in Place

Stronger Evidence for an Alzheimer's-EMF Connection

Epidemiological studies in the U.S. and in Sweden have produced new evidence of a link between Alzheimer's disease (AD) and occupational exposures to electromagnetic fields (EMFs). A specific biological hypothesis has been proposed that could account for the connection, and laboratory studies are planned to test it.

In the December 1996 issue of *Neurology*, Dr. Eugene Sobel and colleagues reported a fourfold increase in the risk of AD for subjects who had worked in jobs with medium-to-high EMF exposure. It was Sobel who reported the first evidence of an EMF-Alzheimer's link in July 1994, based on an analysis of three separate groups of Alzheimer's patients.

"It's an interesting observation," Dr. Zaven Khachaturian, director of the Alzheimer's Association's Reagan Research Institute, said in an interview from his office in Potomac, MD. He said that the finding should be followed up, but cautioned that the association might be caused by other risk factors in the workplace.

On November 21, Dr. Maria Feychting presented the results of her recent study in Sweden at the Department of Energy's annual research review in San Antonio. Among subjects who were 75 years or younger at the time of diagnosis, she found that those who had worked in jobs with the higher EMF exposures were five times more likely to develop AD.

Although these findings by Sobel and Feychting are both statistically significant, there are inconsistencies between them, and Feychting urged "a cautious interpretation." Still, she told *Microwave News*, she was surprised by her

(continued on p.6)

New Focus on Broadcast Radiation: Is There a Leukemia Risk?

Two new studies from the U.K. and Australia show elevated rates of leukemia near television and FM radio broadcast towers. The new results support past studies pointing to leukemia risks due to exposure to radiofrequency and microwave (RF/MW) radiation from communications and radar transmitters.

Rates of adult leukemia were nearly twice those expected within two kilometers of a TV and FM tower operated by the British Broadcasting Corp. (BBC) in Sutton Coldfield near Birmingham, England. Writing in the January 1997 *American Journal of Epidemiology* (AJE), Dr. Helen Dolk and colleagues at the London School of Hygiene and Tropical Medicine reported that the decline in leukemia risk with distance is highly statistically significant.

Dolk looked at leukemia rates in concentric circles around the Sutton Coldfield tower. Within a half kilometer, there were nine times the expected number of cases. In the area within the next half kilometer, the rate was double that

(continued on p.11)

guys could easily have explained their views on the scientific mechanism. But this decision makes the court act as the gatekeeper of scientific debate, and there's no precedent for that in Georgia."

The concept of the judge as "gatekeeper" of scientific evidence was central to the U.S. Supreme Court's *Daubert* decision, which was cited in the dismissal of David Reynard's original cellular phone lawsuit in federal court in Florida (see *MWN*, M/J95, S/O95 and M/J96). But *Daubert* is not part of Georgia law, and Motorola's brief made a point of stating that *Daubert* was not part of its argument.

"We think the *Ward* dismissal is a significant and important decision," said Motorola spokesperson Norman Sandler, "and we welcome the court's ruling." Sandler told *Microwave News*

that the *Ward* ruling confirms the message of *Reynard*: "We now have two cases that have been dismissed because they failed to submit enough credible scientific evidence to even move forward to trial. This exposes the hollowness of the claims advanced by these cases and others like them."

"It'll be unfortunate if one of these cases doesn't reach the point where it can educate a lot more people," commented Gray. "This is a very politically charged piece of litigation—probably even more so than tobacco, because of the level of public ignorance."

In late December, Gray asked the Georgia Supreme Court to consider an appeal. At press time, the state's high court had not yet responded. "If it's denied," said Gray, "it'll be difficult to go any further."

New Focus on Broadcast Radiation (continued from p.1)

expected. At greater distances from the tower, the leukemia rate declined steadily, until it reached background levels some eight kilometers away.

The London team did not make any RF/MW measurements, relying instead on a survey by the BBC, which showed that radiation levels generally declined with distance from the transmitter. The maximum radiation level found was 1.3 $\mu\text{W}/\text{cm}^2$ for TV, and 5.7 $\mu\text{W}/\text{cm}^2$ for FM, signals at a distance of 2.5 meters above the ground. Due to reflections from buildings and the ground, they found that, "There was considerable variability between different measurement points at any one distance from the transmitter," according to Dolk.

Dolk's study was prompted by reports of a cluster of leukemia and lymphoma cases near the tower (see *MWN*, S/O92). Dr. Mark Payne, a medical doctor in Birmingham who uncovered the cases years ago, told *Microwave News*: "I think my findings have been vindicated."

In an effort to put the Sutton Coldfield findings into perspective, Dolk also investigated the leukemia rates near 20 other antenna sites in the U.K. This study yielded results that were much less clear. They "at most give no more than very weak support to the Sutton Coldfield findings," Dolk wrote in a second paper published in the same issue of the *AJE*.

Meanwhile, an Australian study indicating a greater risk of leukemia among children living near four TV stations located on three broadcasting towers in Sydney has been published in the *Medical Journal of Australia* (see *MWN*, N/D95).

Dr. Bruce Hocking, an occupational medicine consultant based in Melbourne and the former chief medical officer at Australia Telecom (now called Telstra) reported that children living within four kilometers of the towers had a 50% greater incidence of leukemia and more than twice the expected mortality rate due to leukemia. For children and adults combined, there was a 25% increased incidence of leukemia. All three of these results are statistically significant.

Hocking's calculations showed that the maximum RF/MW power level from the TV stations near the three towers was 8 $\mu\text{W}/\text{cm}^2$ and declined to 0.2 $\mu\text{W}/\text{cm}^2$ at a distance of four kilometers. He did not make any actual measurements.

The U.K. and Australian studies add to a patchwork of previous work that points to a leukemia risk from broadcast radiation:

- In 1982, Dr. William Morton of the Oregon Health Sciences University in Portland found higher rates of leukemia and breast cancer near broadcast towers in Portland (see *MWN*, J/F82).
- Five years later, Dr. Bruce Anderson and Alden Henderson of the Hawaii Department of Health reported "significantly higher" leukemia rates in areas with broadcast towers in Honolulu as compared to areas without towers (see *MWN*, M/J87).
- Clusters of leukemia have also been reported next to two different U.S. Navy communications installations, one in Lualualei, Hawaii, and one in Thurso, Scotland (see *MWN*, M/J87 and S/O92).

In addition, two epidemiological studies of those who are exposed to RF/MW radiation show higher rates of leukemia:

- Dr. Stanislaw Szmitgielski of the Center for Radiobiology and Radiation Safety in Warsaw, Poland, found that military personnel exposed to RF/MW radiation had higher rates of leukemia and lymphoma. For younger soldiers, the risks reached over eight times that expected and are highly significant (see *MWN*, M/J95).
- Dr. Samuel Milham Jr. reported a significant excess mortality rate due to acute myeloid leukemia, multiple myeloma and cer-

RF/MW Radiation and Cancer References

Bruce Anderson and Alden Henderson, "Cancer Incidence in Census Tracts with Broadcasting Towers in Honolulu, Hawaii," Honolulu: Hawaii Department of Health, October 27, 1986.

Ray Cartwright, "Cancer and TV Towers: Association but Not Causation," *Medical Journal of Australia*, 163, pp.599-600, December 1996.

Helen Dolk et al., "Cancer Incidence Near Radio and Television Transmitters in Great Britain, Part I. Sutton Coldfield Transmitter," pp.1-9, and "Part II. All High-Power Transmitters," pp.10-17, *American Journal of Epidemiology*, 145, January 1, 1997.

Bruce Hocking et al., "Cancer Incidence and Mortality and Proximity to TV Towers," *Medical Journal of Australia*, 163, pp.601-605, December 1996.

Bruce Hocking, "A Protocol for Assessment of the Health Effects of RFR Products, Particularly Personal Communication Systems," *Radiation Protection in Australia*, 14, pp.43-45, April 1996.

Samuel Milham Jr., "Increased Mortality in Amateur Radio Operators Due to Lymphatic and Hematopoietic Malignancies," *American Journal of Epidemiology*, 127, pp.50-54, January 1988.

William Morton and David Phillips, "Radiofrequency Density and Cancer Epidemiology in the Portland Metropolitan Area," Research Triangle Park, NC: U.S. Environmental Protection Agency, June 1983.

Stanislaw Szmitgielski, "Cancer Morbidity in Subjects Occupationally Exposed to High-Frequency (Radiofrequency and Microwave) Electromagnetic Radiation," *Science of the Total Environment*, 180, pp.9-17, 1996.

New Focus on Broadcast Radiation

tain types of lymphoma among amateur radio operators (see *MWN*, N/D87 and J/F89).

"There are so many smoking guns linking RF to cancer that it's high time that somebody took a systematic look at the subject," Milham said in an interview from his office in Olympia, WA.

Dr. Ray Cartwright of the University of Leeds, U.K., took a more cautious position. In a commentary accompanying Hocking's paper, he noted that while there is now some support for a link between RF/MW and leukemia, a "more complete knowledge of the causes of childhood leukemia is essential in order to go down the road from association to causation. In that regard we have taken only the first few steps of a very long journey."

U.K. Advisory Panels Discount Cancer Risk

Radiation officials in the U.K. argued that the 20-tower study negated the Birmingham results and that there was no RF/MW cancer risk. In fact, they concluded that the issue was closed.

"Overall these data do not indicate that residence close to a radio/TV transmitting mast is associated with an increased risk of leukemia," read a statement from the Committee on the Medical Aspects of Radiation in the Environment (COMARE), a long-standing government advisory panel. The committee found that there was no need for further epidemiological studies.

Similarly, the U.K.'s National Radiological Protection Board (NRPB) in Chilton stated that, "The results of these studies provide no justification for further epidemiological studies around such sites, nor do they have implications for the siting of existing or new transmitters."

To buttress their arguments, COMARE and the NRPB noted that in the 20-tower study the incidence of non-Hodgkin's lymphoma (NHL) increased with distance from the towers. "Such opposing trends clearly do not demonstrate a pattern that would be consistent with a particular effect produced by the Sutton Coldfield transmitter," COMARE said.

"The apparently opposing trends with distance for leukemia

and NHL imply that the decreasing trend in leukemia risk with increasing distance may be due to chance," Dr. Alastair McKinlay, the head of the NRPB's non-ionizing radiation department, told *Microwave News*.

Most of the leukemia cases included in the 20-tower study were near a single tower at Crystal Palace in South London, which has nearly the same power output as Sutton Coldfield (4 MW), but which does not include a high-power FM transmitter. Dolk counted 62 adults with leukemia within two kilometers of the Crystal Palace tower, but only 17 cases at the same distance from the 19 other towers. Most of the towers are in sparsely populated areas.

Dolk did not observe the same decline in leukemia risk with distance from the Crystal Palace tower. But, when she categorized those towers which had either FM transmitters of greater than 250 kW or similarly powerful FM antennas and TV antennas, she found, in each case, a significant decrease in risk of leukemia with distance from the towers.

Because of the small number of cases, these relationships are not sturdy. "No clear interpretation seems possible as to whether the overall decline in risk with distance is associated specifically with TV or FM transmission or a combination of the two," Dolk wrote in the *AJE*. "The results in the second paper do not point strongly to an effect of transmission...and certainly not to differences between frequencies," she told *Microwave News*.

The two U.K. studies, which were released on Christmas Eve, attracted little attention from the British press. Indeed, Graham Brown, a BBC spokesperson, said in an interview that he had not even been contacted about the study.

The Australian study garnered much more attention—at least partly due to the intense controversy over the siting of cellular phone towers across the country and because the Australian government is considering relaxing its own RF/MW standards.

Hocking told the *Sydney Morning Herald* (December 10) that, "The research does not prove that radiofrequency caused the leukemia, but it does not reassure that mobile phone base stations are harmless."

"MICROWAVE NEWS" FLASHBACK

Years 15 Ago

- A U.S. District Court judge in Los Angeles dismisses a charge brought against the government by Marine Sergeant George Watson, who claimed that his exposure to RF/MW radiation at the U.S. Embassy in Moscow caused his son's birth defect.
- Dr. William Morton of the University of Oregon reports a significant association between extremely low levels of RF/MW radiation—possibly from TV towers—and lymphatic leukemia, adenocarcinoma of the uterus and breast cancer among Portland, OR, residents.

Years 10 Ago

- Dr. Stanislaw Szmigielski of the Center for Radiobiology and Radioprotection in Warsaw, Poland, releases preliminary results of a five-year study indicating a link between RF/MW radiation and cancer—especially leukemia and lymphatic cancers.
- Maryland officials protest the U.S. Navy's decision to site the EMPRESS II on the Chesapeake Bay, contending that the electro-

magnetic pulse simulator could cause EMI to ships' electronics, forcing Baltimore's port to close for 20 days a year, and could also interfere with a nearby nuclear power plant.

- Writing in the *American Journal of Epidemiology*, Dr. Richard Stevens suggests that EMFs and/or light-at-night may be responsible for increased breast cancer rates in industrial countries.

Years 5 Ago

- Eight people living near Patrick Air Force Base, FL—seven within 400 yards of an air traffic control radar—between 1967 and 1983 are diagnosed with Hodgkin's disease, according to a study by the state's Department of Health and Rehabilitative Services.
- Two brain cancer victims from the same street in Guilford, CT—whose stories were reported by the *New Yorker's* Paul Brodeur—sue Connecticut Light and Power. They charge that EMFs from power lines and from a substation caused their tumors.
- Wisconsin's Public Service Commission orders state electric utilities to use technology that minimizes EMF emissions.

PRE-FILED DIRECT TESTIMONY
OF [REDACTED]
MPUC Docket No. 2011-00262

1 **Q. Please state your name and address.**

2 A. [REDACTED]

3

4 **Q. Was a CMP smart meter installed at your residence?**

5 A. No. We opted out.

6 **Q. Please explain why you do not want a smart meter at your residence.**

7 A. Both [REDACTED] and our daughter have an illness which affects their
8 immune systems and as a result they have become “electrically
9 sensitive.” Symptoms from this sensitivity can include insomnia,
10 heart palpitations, extreme jitteriness, dizziness, and nausea as well as
11 serious digestive problems, all of which my wife has experienced at
12 one time or another from prolonged exposure to computers, cell
13 phones, speakers and the myriad of x-rays, CT scans and MRI’s
14 which [REDACTED] has been subjected to. These symptoms are
15 debilitating and absolute hell to live with. [REDACTED] has managed
16 over the past ten years to control these symptoms by deciding what
17 she will expose herself to. With a smart meter there is no control.
18 The meter is attached to our home 24/7 – the one place that we

1 haven” – our sanctuary away from the plethora of modern technology
2 that affects [REDACTED]

3 **Q. Have you experienced symptoms when near other smart meters?**

4 A. [REDACTED]: Yes. My daughter lives in Tucson so my husband and I
5 decided to rent a house for the month of January 2011. I rented what
6 looked like the perfect dream house. I never once thought about
7 smart meters and never even thought of asking the rental agent if there
8 was one attached to the house. I assumed they didn’t exist in this tiny
9 retirement community.

10 I immediately didn’t feel right the first day I was in there. I
11 started experiencing stomach bloating and swelling around my rib
12 case, symptoms I’ve had in the past from electrical sensitivity. That
13 night I went to sleep in the bedroom which was on the other side of the
14 Smart Meter. I never fell asleep that whole night. I had symptoms
15 of jitteriness, heart palpitations, muscle twitching and chills. By
16 morning I was extremely ill. After a few hours of playing detective
17 and eliminating all possible causes, it dawned on me that just maybe
18 there might be a smart meter on the house and after checking, sure
19 enough it was there.

20 The following day my daughter asked to sleep over and, not
21 wanting to alarm her, I said nothing of the meter. That evening she
22 went to sleep in the same bedroom I had been in. About three hours

1 later, she came into the living room and complained that she could not
2 fall asleep and was experiencing jitteriness and heart palpitations.
3 She proceeded to sleep on the couch and woke up the next morning
4 sick to her stomach. She informed me that she would have to leave
5 as something in the house was making her sick. I still had not told
6 her about the meter at that point. [REDACTED] arrived a few days later
7 and after being in the house for four or five days, informed me that he
8 was waking up with headaches and nausea every morning. At that
9 point none of us wanted to be in the house.

10 A few days later my daughter and son-in-law came to pick us
11 up and my daughter wanted to show the meter to her husband. She
12 quickly returned inside informing us that she had the strangest
13 symptoms just standing in front of it. Her knees buckled and she felt
14 weak and faint and felt like passing out. Needless to say, it was the
15 vacation from hell and we left after two weeks.

16 I was convinced that this would not be a problem for me here
17 in Maine since I chose to opt out. What a shock and disappointment
18 it was when the Saturday before Christmas in 2011, I came home
19 from shopping and within 15 minutes of being in the house, I started
20 feeling weak all over, wanting to pass out with dizziness. I couldn't
21 imagine what was happening. My first thought was "smart meters"

1 and sure enough I went outside and saw that the meters were being
2 installed and activated on my street.

3 I haven't been the same since. In fact my health continues in a
4 downward spiral. Since that first day, I started developing
5 debilitating fatigue and severe vertigo on a daily basis. About a
6 month after the installation, my physician tested me for Epstein-Barr
7 virus which is associated with CFS and found that it had been
8 reactivated (normal under 22 and mine was 400) with no known
9 cause. I then started acupuncture in desperation to try and control
10 my vertigo. Clearly my immune system had deteriorated. I also
11 started experiencing excruciating muscle stiffness in my neck for
12 which I see a D.O. on a weekly basis with no resolution. All of these
13 symptoms were nonexistent before the meters were deployed in my
14 neighborhood.

15 In addition, a neighbor who has MS experienced an increase in
16 her symptoms and subsequently had her meter removed which
17 brought her back to her baseline. I also have other neighbors who
18 have gone from feeling well to developing bizarre symptoms but are
19 unaware of the cause and cannot afford to opt out.

20 Because of my extreme sensitivities, opting out is not the
21 answer for me. I am surrounded by at least 50 homes with smart
22 meters and some within 75 feet of my home. Clearly, I need to be

1 living in an area without smart meters but cannot sell my house as I
2 am upside down on my mortgage and I cannot afford to walk away
3 from the house either. My life, at this moment, is out of control and I
4 am at the mercy of CMP and the PUC.

5 **Q. Please tell us anything else that you want us or the Public Utilities**
6 **Commission to know about your experiences and circumstances.**

7 A. [REDACTED] Not everyone will react this way to smart meters. Some,
8 like me, who are sensitive, will, and in a short time become ill.
9 Others will take longer and many others may not notice it for a long
10 time and then not be aware of what is making them ill. People like
11 myself are the “canaries in the mine,” providing a warning to others.

12 Other countries have provided newer meters without “wireless
13 technology” making the health of their citizens a priority. There is
14 no reason this cannot be done in this country. I fear that if my
15 symptoms do not abate, or indeed worsen, we shall be forced from our
16 home.

17 [REDACTED] The smart meter issues we faced in Arizona resulted in a
18 simple choice. We cancelled our rental agreement and our daughter
19 never returned to visit us in that rental.

20 I, personally have a rare cancer treated by extensive radiation
21 therapy, tested with CAT scans and MRI’s and ongoing x-rays, but I
22 choose those exposures for obvious reasons.

1 Over the years, consumers have had to deal with many failed
2 products. Whether it be medications, oil spills, river pollution, etc.,
3 etc., all supposedly regulated by a government agency at one level or
4 another and many of those products have resulted in harm to the
5 consumer. Many of these products were studied, tested and
6 approved only to be taken off the market after a period of time.

7 We are self conscious in our home to be aware of all the “low
8 dose” labels especially on any radiation-emitting products with a
9 simple “dot-connecting” awareness that many low doses add up to
10 more than the sum of its parts. I and my family can choose to invite
11 these products into our home. We are reasonable people who value
12 and diligently exercise those choices. The bottom line is that WE are
13 accountable for our bad choices if given all the tested facts – not a
14 regulatory agency.

15 [REDACTED] and my daughter are sick and it is my eternal
16 responsibility along with them to choose without regret.

17 I have read the science on both sides of this issue, short-lived
18 as it might be. Will the regulators down the road say that they didn't
19 have enough unbiased science on smart meters? This is my family
20 whom I love to my core and the choice to put a smart meter on the
21 white ranch at [REDACTED] in [REDACTED] should, must and will
22 be mine.

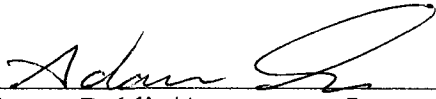
Dated this 12th day of January, 2013.



STATE OF MAINE
ANDROSCOGGIN, ss:

January 12, 2013

Personally appeared the above-named [REDACTED] and [REDACTED]
[REDACTED], and stated under oath that the foregoing Affidavit made by them is true and
based upon their own personal knowledge, information or belief, and so far as upon
information and belief, they believe the information to be true. Before me,



Notary Public/Attorney-at-Law

Name Typed or Printed
My Commission Expires: _____

Adam Dow
Notary Public of Maine
My Commission Expires May 6, 2015

**PRE-FILED DIRECT TESTIMONY
OF [REDACTED]
MPUC Docket No. 2011-00262**

1 **Q. Please state your name, address and contact information.**

2 **A. My name is [REDACTED]**

3 [REDACTED]

4 **Q. Was a smart meter installed at your residence?**

5 **A. Yes.**

6 **Q. Did you offer to provide testimony in another proceeding about your**
7 **experience with smart meters?**

8 **A. Yes. I have had serious health problems related to smart meters and I offered**
9 **testimony in a Michigan Public Service Commission hearing (Case No U-17053)**
10 **reviewing a proposed opt-out program for Detroit Edison Company's Advanced**
11 **Metering Infrastructure. Unfortunately, the Commission would not accept any**
12 **testimony about health and safety issues.**

13 **Q. Is the attached document marked as Exhibit A a true and accurate copy of**
14 **the testimony that you offered to provide to the Michigan Public Service**
15 **Commission?**

16 **A. Yes it is.**

17 **Q. Are the statements that you made in the attached Exhibit A still true and**
18 **accurate?**

19 **A. Yes.**

20 **Q. Do you wish to add anything here not included in your statement in**
21 **Exhibit A?**

Radiation Sickness; Testimonials of Twenty People, Collected by
StopSmartMeters; 2013

**PRE-FILED TESTIMONY
OF JOSHUA HART
MPUC Docket No. 2011-00262**

1 **Q. Please state your name and business address.**

2 A. Joshua Hart, P.O. Box 30, Davenport, CA 95017. 831-421-0822
3 josh@stopsmartmeters.org

4 **Q. Briefly state your occupation, educational background and current employment.**

5 A. Currently I am Director of Stop Smart Meters!, an organization fighting the forced
6 deployment of utility meters that harm health, violate civil liberties and endanger public
7 safety. I have worked in the energy industry, as an urban and transportation planner,
8 environmental advocate, and freelance journalist. I obtained my MSc in Transport Planning
9 in the UK at University of West England, Bristol in 2008, and completed research entitled
10 *Driven to Excess*, presenting the social and quality of life impacts of car traffic on local
11 residents. The research was covered in over 100 international media outlets including the
12 BBC, the Guardian, Tehran Times, and the Daily Mail. Part of this work included the
13 creation and implementation of various surveys and questionnaires.

14 My writing has appeared in Surveyor Magazine, Walk Magazine, Make Magazine,
15 Carbusters and Lonely Planet's anthology Flightless: Incredible Journeys without Leaving
16 the Ground. Attached as Exhibit A is a copy of my CV.

17 **Q. Briefly describe your professional experience.**

18 A. I have worked for a number of professional health and environmental advocacy
19 organizations, including the Rails-to-Trails Conservancy, San Francisco Bicycle Coalition
20 and a UK based pedestrian advocacy organization called Living Streets. Since 2010, I have
21 been director of California-based Stop Smart Meters! I have studied the relevant literature

1 regarding aspects of the current “smart grid” deployment including studies on RF health and
2 environmental impacts.

3 **Q. Have you authored any papers or journal articles?**

4 A. I have published the results of a study I carried out between 2007- 2008 at the University of
5 the West of England entitled *Driven to Excess Impacts of Motor Vehicles on the Quality of*
6 *Life of Residents of Three Streets in Bristol UK*. The journal article was published in June
7 2011 in Volume 17.2 of *World Transport, Policy and Practice*.

8 **Q. Briefly describe your work and experience related to the study of electromagnetic**
9 **fields and radio frequency waves in the 30 MHz to 300 GHz range (“RF”), and about**
10 **their potential effects on biological systems. If you have conducted any studies or**
11 **published any writings on the subject, briefly describe them.**

12 A. As a grassroots journalist and citizen advocate, I have investigated hundreds of cases of
13 reported health and environmental impacts of smart meters and other wireless facilities. I
14 have also read hundreds of scientific reports on the subject and attended multiple
15 workshops, public forums, and conferences regarding RF, electromagnetic fields, and health.

16 **Q. In your role as Director of Stop Smart Meters! have you obtained information**
17 **confirming that utility customers have experienced adverse health effects associated**
18 **with smart meters?**

19 A. Yes. I have personally interviewed, read first person accounts and listened to first and
20 second hand accounts of smart meter victims suffering from a wide range of adverse health
21 effects from mild to severely debilitating. I am familiar with well over one thousand such
22 accounts. Many of these victims began suffering symptoms before they knew a smart meter
23 had been installed either on their home or in their neighborhood. Many of these people have
24 become so sensitized they have been forced from their homes [because of proximity to area

1 meters] and have been forced from their jobs because of RF in the workplace. For many
2 people who have become sensitized to RF, they have remained so even with removal of their
3 meter. While we may not have a sufficient understanding of the effects of RF and
4 mechanisms of interaction with biological systems to establish 100% certain causation, it's
5 astoundingly clear in repeatable real life situations that smart meters can cause adverse
6 biological effects and that sensitivity to RF can result from instant exposure and or exposure
7 over time.

8 **Q. Have you obtained information about smart meters being implicated in house fires and**
9 **appliance failures and fires?**

10 A. Yes. Hundreds of such fires, explosions, and electrical problems have been reported over
11 the past 3-4 years. We have reported on several such fires and electrical faults on
12 StopSmartMeters.Org. A series of 26 smart meter fires forced Peco Energy in Pennsylvania
13 to halt their smart meter deployment in August 2012.

14 **Q. Have you gathered accounts of adverse health effects from smart meters and if so**
15 **please describe how?**

16 A. Yes, Stop Smart Meters! has collected complaints about smart meters related to RF health
17 impacts, fires, overcharging, and other issues since October 2011. We worked with a web
18 professional who volunteered to design and manage the website <http://smartmeterhelp.com>.
19 Results of online surveys came in from all over the country, were entered into a SQL
20 database, and complaints from California periodically forwarded to the California
21 Department of Public Health, Governor Jerry Brown, the customer's utility company, and
22 the California Public Utilities Commission. More than 1200 complaints have been received.
23 These included a significant number of health related complaints. The attached declarations

1 (Exhibits B) were received in response to an e-mail request to those complainants who
2 entered an electronic complaint at smartmeterhelp.com

3 **Q. Are the attached Exhibits B true and accurate copies of the declarations received by**
4 **Stop Smart Meters! from people who had responded to your online survey?**

5 **A.** Yes. I have reviewed each of the attached declarations. They are all true and accurate
6 copies of the declarations received by Stop Smart Meters! and I have submitted them to
7 attorney Bruce McGlaufflin for inclusion as testimony in the present Maine investigation.

Dated this 29 day of January, 2013.

Joshua Hart



Smart Meter Health Effects Authorization

I [REDACTED], authorize use of my declaration regarding personal health effects from smart meters previously submitted to Smart Meter Help! or Stop Smart Meters!, to be used in the current smart meter safety investigation before the Maine Public Utilities Commission in the matter of Ed Friedman, et al- MPUC Docket No. 2011-00262.

I further authorize Josh Hart of Stop Smart Meters! to attach my declaration to his testimony in the MPUC proceeding to be submitted by Bruce McGlaflin, Esq., representing the complainants, Ed Friedman, et al, in that case, with the understanding that my declaration will become part of the public record in that proceeding.

Signed this 22nd day of January, 2013 by:

Name [REDACTED]

Street Address [REDACTED]

City/State/Zip [REDACTED]

Telephone [REDACTED]

Email [REDACTED]

[REDACTED]

Declaration of [REDACTED]

I, [REDACTED] have personal knowledge of all facts set forth in this declaration and am competent to testify thereto if called upon to testify in a court of law. I hereby declare:

1. My name is [REDACTED] and I had to move from [REDACTED] because I became physically, mentally and psychologically ill from SmartMeters for six apartment units placed less than 20 feet from my apartment.

2. I am a former utility customer of P.G.&E. To my knowledge, P.G.&E. turned on 12 SmartMeters in October of 2011 without informing me until I called them in January of 2012. I began having symptoms in November 2011, as a result of the SmartMeters being turned on. In November I began to go to bed around 8:00 p.m. which was unreasonably early for me. My regular bedtime had been 10:00 p.m. and I knew that it was strange for me to be tired so early but I reasoned with myself and blamed it on the fact that it was getting dark early.

At the end of November during Thanksgiving my face broke out in hives that were red and inflamed and they burned and itched. Nothing like this had ever happened to me so I blamed it on stress. When they didn't go away and the skin on my face became worse as well as unreasonably dry I made an acupuncture appointment. I saw an acupuncturist for the first time on December 9 for this and saw her until I had to move out of my apartment on January 30, 2012. (I can provide her notes if needed.)

In December 2011, I continued to go to bed early but as I slept I felt like I was drugged. I began to have low energy and noticed that it was an effort to ride my bike and to take dance classes. I am a very fit person and I didn't understand why this was happening. Around the second week in January 2012, I began having a pressure headache and pressure on my eyes whenever I was in my apartment. When I was at the beach or riding my bike this would go away.

By January 23, it became unbearable to be in my apartment. When I was there I would get a lump in my throat that made me not want to eat or drink. My face, scalp and the gums inside my mouth would become numb. The air became so thick that I had to gasp to get air into them. I began having heart palpitations when I would dance or ride my bike and have shortness of breath. I began spending less time in my apartment and at night I couldn't sleep anymore because I couldn't breathe and the intense pressure headache made it impossible to think. I couldn't concentrate and I started to not be able to think straight when working. On January 30, 2012, I called a friend while I was on the verge of having a mental break down. She picked me up and was shocked when she saw me. She said I looked like a cancer patient. My face was pale, my eyes were gaunt, dark and tired looking and I lost weight.

She took me to her house in the Sunset district of San Francisco, that did not have a SmartMeter. As soon as I got there I was able to feel that the air was thinner and I automatically began pulling air into my lungs. The first two days I spent with her I was very volatile emotionally. I was losing my mind and I was wishing for my life to end. The

hopelessness was so great that my friend and her boyfriend kept close watch over me. I knew my mind was sick from the electromagnetic poisoning from the SmartMeters and this fact helped me to stay sane and make it through the fact that I lost my job, home and independence in less than 4 months because of SmartMeters and no one could help me get them removed.

I took long walks on the beach which was about 15 blocks from my friend's house. I would feel better during those walks but as I walked back to her house I would start feeling sick from the SmartMeters emitting their pollution onto the city streets.

For the first week of February 2012, I went to visit a friend in Comptche, California who lives on 64 acres of trees and has no electricity. Within two days of being there I became my normally, healthy and fit self again. This is when I realized that I could not live in San Francisco anymore.

I went to the [REDACTED] Health Clinic on February 22, 2012 and had a full check up and full blood work. The test results came out healthy. My nurse practitioner advised me to get away from SmartMeters when I told her my story. (I can supply her notes if needed.)

Now back in San Francisco I stayed with my friend in the Sunset district and packed up my apartment to leave for Pennsylvania. I had to give away all my furniture and things because I needed to leave as soon as I could because each day I was back in San Francisco I became weaker and sicker from all the SmartMeters in the city. I couldn't even walk down the street to get away from all the SmartMeters. I moved across the United States to save myself physically, mentally and emotionally.

It took me 13 years to build my business in San Francisco and I had to give that business up due to P.G.&E. turning on the SmartMeters, in less than four months time. I have not worked since January 30, 2012 and am starting all over in Pennsylvania. I want to be compensated for all the hardship P.G.&E. has put me through. I want compensated for my move; for all the business I lost in San Francisco, for all the time I have not worked and for the cost of starting my business over in Pennsylvania.

I declare under penalty of perjury that the foregoing is true and correct. I have personal knowledge of all facts set forth in this declaration and am competent to testify thereto if called upon to testify in a court of law.

This declaration was executed on this Wednesday, April 04, 2012 at Lancaster, Pennsylvania.

Signature: [REDACTED]

Smart Meter Health Effects Authorization

attached
I [REDACTED], authorize use of my declaration regarding personal health effects from smart meters previously submitted to Smart Meter Help! or Stop Smart Meters!, to be used in the current smart meter safety investigation before the Maine Public Utilities Commission in the matter of Ed Friedman, et al- MPUC Docket No. 2011-00262.

I further authorize Josh Hart of Stop Smart Meters! to attach my declaration to his testimony in the MPUC proceeding to be submitted by Bruce McGlauflin, Esq., representing the complainants, Ed Friedman, et al, in that case, with the understanding that my declaration will become part of the public record in that proceeding.

Signed this 18th day of January, 2013 by:

Name [REDACTED]

Street Address [REDACTED]

City/State/Zip [REDACTED]

Telephone [REDACTED]

Email [REDACTED]

AFFIDAVIT

I, the undersigned, being first duly sworn, state as follows:

1. My name is [REDACTED]
2. I am a customer of San Diego Gas & Electric Company – for Electric & Gas.
3. On or about May 15th, 2010 RF (radio frequency) “smart” utility meters replaced both of my analog electric and gas meters at my home in La Mesa, CA. The electric meter was placed on the wall of my bedroom, one foot (or less) from the pillow where I placed my head as I slept. The room has large mirrored closet doors so it is a highly reflective environment. This increases the radiation, I have been told by an expert. The gas meter was placed on the opposite end of my home, next to my home office. According to SDG&E documents filed with the CPUC, it communicates frequently with the electric meter, the signal passes through the length of the house, inside.
4. I was not advised by anyone at the time of installation that the new “smart” meters emitted rf microwave radiation. I did not know this for over six months. The installers just said they were installing a new meter, that ours were old and outdated. I assumed they worked the same, with a digital display. No one asked our permission. If I had known what was to happen, I would have refused and taken any steps possible to prevent this strong, constant pulsed radiation exposure, which has ruined my health and our lives. I do not want this to happen to anyone else, also.
5. Following the installation of the smart meter, I experienced increasing insomnia (during the summer, slept only one hour or two some nights), headaches that increased from dull daily ones to excruciatingly painful ones that lasted three days, chills, an unusual volcanic serious type of skin cancer on my face that had to be cut out, leaving a large scar, dizziness, nausea, cognitive problems, sensitivity to other rf-devices that never bothered me before, ringing of the ears that became shrill and even painful (ice pick type pain), clicking sounds heard (microwave hearing), breathing problems increased, and memory problems increased. My sinuses close when I enter my bedroom, they swell shut within seconds. If I take benedryl they re-open. The doctor says this is an allergic reaction to rf radiation. I recorded 15 symptoms that occur with the smart meter, and only with it, since it was installed. The sum totals of these have been very debilitating and like being tortured, daily.
6. I have been diagnosed with hearing loss from exposure to electromagnetic radiation by my ENT, in the ear with the loud microwave clicking.
7. For the first six months, I did not know that the electric smart meter utilized microwave radiation that was entering my home and that sleeping so close to it was a danger. My doctor told me when I reported some of the above symptoms to him and asked if I had a smart meter, where it was, and later wrote me a letter to send to the utilities and CPUC to request that it be removed as it was making me ill. For the first year, I did not know that the gas meter was also smart because it had dials. I found out that it also has a smart meter module on it by reading the

fine print on top of the meter. I get dizzy and nauseated when I am near that gas meter too long (more than a couple minutes).

8. The utility (San Diego Gas and Electric Company) and the California PUC did not cause the smart meters to be removed, even with the doctor letter requesting removal. They both denied that it was possible to be sick from the meter(s) and told me it was mandatory to have the smart meters, that essentially, there was nothing they could do, this is the new program of the state, required by the federal government. It turns out that is all false and I have the documents to prove it.

9. I asked the utility to come out to check the meters on the outside of my home and they have never done so. They claim that I forbid it, but I have the letters that prove otherwise. I wanted them to check the meters for defects.

10. I complained on the phone, in person, and in writing (by various methods) to my elected officials, US Dept of Energy, US Dept of Justice, CPUC, Governor of CA, and President Obama, all to no avail. No one helped at all. Most ignored me. Those who wrote back said it was not a problem they could help with, to contact the CPUC.

11. After that the doctor told me that it was the smart meter, and to avoid it, I tried sleeping further away from the smart meter on my bedroom wall. Moving the bed did not help. Moving into another bedroom across the hall helped somewhat, but I still got headaches and had the ringing ears. I put up shielding and it helped reduce the painful ringing in the ears but moderate ringing still occurred most of the time, occasionally less than moderate. Sometimes the ringing was so loud it woke me up. I still had some insomnia there in the guest bedroom.

12. I moved into the living room to sleep on the couch. There I had reduced symptoms and have slept there for 1 ¼ years now. I have a bad back and the couch makes it worse, so I am in pain sleeping there, but it is the only way I can survive this terrible exposure to rf radiation.

13. The exposure has been upsetting and torturous. I feel like I cannot control my own life or health. I cannot enter my bedroom anymore, I get an immediate tingling in the head (top) and pain in base of neck, then sinuses swell shut, severe headache ensues and lasts three days. This happened twelve times, till I finally gave up going near the meter inside. The same thing happens outside near the meter, or when I am in close proximity to other smart meters.

14. Other sources of rf radiation now bother me. I have become rf-sensitized by the smart meter, according to my doctor. I must avoid cell phones. I bought a shield for my cell phone and use it on speaker (as I always did before) with a shield, only in emergencies or urgent situations. No one can use a cell phone near me now, and that causes me to be isolated at times or stressed out due to so many people having them. I experience pain, nausea, headache, dizziness, and cognitive dysfunction when around cell phones being used. I have had to buy and use a shield for my computers and extended keyboards and mice so I am not as close to the computer.

15. I have a wired computer (cable connected to Internet), corded phones, and do not use a microwave, nor does anyone in my home. Cell phones are not allowed near me now and I ask visitors and family not to use them in the house or on the property.

16. I improved with avoidance of the smart meters, particularly the electric one. I have to live in the middle of my home, as there is a smart meter at both ends. I cannot go to either end of the property and work there or occupy the space as the smart meters bother me. Therefore, I have lost the use of my home and property by 2/3. I still have cognitive problems, dizziness, ringing ears, and occasionally, insomnia (if I get near smart meters). I feel more ill when I am in my house more. I am retired and my home is where I am nearly all the time. I have nowhere else to go. There is certainly nowhere left to go without smart meters in our state. I cannot move from our state as I have a disabled son and must remain where he is and where his services are located. Besides, all the states are starting to get these meters, rapidly.

17. Since both bathrooms are near the meter, and I cannot access the master bathroom without going through my room, I can only use one other bathroom and for a very short time. I cannot take a bath anymore, I take very quick showers as the radiation bothers me there. I have not been able to see my own bedroom or bathroom for over a year. I have not taken a hot bath, something I used to love to do, and had to do for a medical condition I have, for over a year. This upsets me.

18. I cannot access all of my clothing. There is nowhere to put the clothes from my closet. I have been cold as a result at times till someone can run in and get the clothing. I cannot.

19. I have not been able to sleep with my husband for over a year. This upsets us both very much. We are older and this is ruining our lives in so many ways.

20. Other members of my family have been impacted. My son, an adult with a disabling condition, was hospitalized three times (for a long time each time) in the first year of the smart meter installations. Only when we figured out that could be a trigger did his condition return to normal. He avoids the smart meters and stays at least 20 feet away. His doctor agrees that this is the right action to take. That means when he visits he cannot use the bathrooms but has to use the laundry room. He has to visit less. This is a terrible inconvenience and another loss of use of the property.

21. I feel like I am being raped daily by the utility company and the state utility agency, the state and federal governments as they are taking away my health, my life, and my property, without caring about it in any way that is humane. I am a disabled senior citizen who deserves better than this. I was a school teacher for 25 years, a special education teacher who made the world a better place. I deserve some respect and care. I am outraged that the citizens of our nation are being experimented on and attacked with such a horrific program. This experience is like being in a science fiction movie with evil perpetrators. It is shocking that this is really happening to me and to everyone in the nation and that so many don't even know it, even if they became sick they'd not be likely to know the source, nor would most doctors.

22. As I write this, my ears are ringing loudly and have been all day. Some days are worse than others. When I am away from the places where smart meters are, the ringing reduces or disappears.

23. Other people in my home report headaches if in the bedroom.

24. My immune system appears to be more sensitive each month to the rf radiation.

25. I have tested the house for radiation. It is elevated nearest the smart meters. There is also "dirty electricity" on the wiring nearest the electric smart meter. There is a pulse of microwave radiation that continuously occurs every few seconds that has been measured. It is nearly 300 times what normal background is. The microwave radiation is up to 35 times normal levels in the bedroom at about 12 feet from the smart meter. One foot from the meter cannot be measured with the equipment we had here, but it increases exponentially, we know that, so it has to be thousands of times more.

26. I have tried, to the best of my ability, to object, inform the public, and obtain an opt-out and dismantling of this dangerous wireless smart grid and smart meter mesh network. I started a nonprofit to do so, called Center for Electrosmog Prevention, for which I am a volunteer director. This has taken over a year. To date there is no opt-out for my part of the state of California.

27. I have written the utility and CPUC repeatedly and they always deny my requests to remove the meters.

28. The smart meters remain on my home, where I have shielded my home to reduce exposures, but it is not a complete nor satisfactory arrangement. Without the shielding I would be living in my car.

29. I personally know of many hundreds of people ill from the smart meters, some are near death, with emergency room trips for heart ailments, some with seizures from them, and some with bleeding sinuses and severe sleeping disorders, blocked arteries, and so on. Many are young people. Several are university professors, one is a former dentist, another is a doctor. None had the conditions before the meters and all are worsened with closer proximity and increased exposures. All are desperate to get these meters removed but no one in the country will help them from an official standpoint. Some seem to be suicidal at times as a result, especially as some have to live in their cars, and I have tried to comfort them and help them to hold on till we get an opt-out. For some, the opt-out will not be enough though, as many have neighboring meters aimed at their homes from next door. Some have up to 20 meters aimed at their homes from neighbors or condo units in a grouping.

30. My doctors are horrified and despair for the nation's health and healthcare system.

31. I reaffirm that the information contained in the paragraphs above are true and correct.

32. End of affidavit.

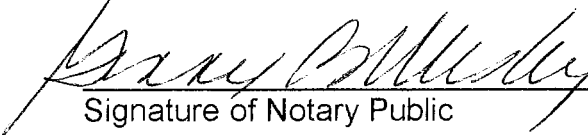
Dated this 25 day of February 2012.


Signature of Person Making This Affidavit

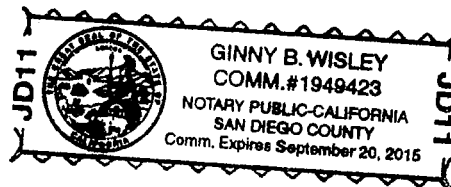
State of California)

County of San Diego)

Subscribed and sworn to (or affirmed) before me this 25th day of FEB, 2012, by
 of LA MESA CA
_____, personally known to me or proved to me on the basis of
satisfactory evidence to be the person who appeared before me.


Signature of Notary Public

Notary Public Seal



Smart Meter Health Effects Authorization

I [REDACTED], authorize use of my declaration regarding personal health effects from smart meters previously submitted to Smart Meter Help! or Stop Smart Meters!, to be used in the current smart meter safety investigation before the Maine Public Utilities Commission in the matter of Ed Friedman, et al- MPUC Docket No. 2011-00262.

I further authorize Josh Hart of Stop Smart Meters! to attach my declaration to his testimony in the MPUC proceeding to be submitted by Bruce McGlaufflin, Esq., representing the complainants, Ed Friedman, et al, in that case, with the understanding that my declaration will become part of the public record in that proceeding.

Signed this 21 day of January, 2013 by: [REDACTED]

Name [REDACTED]

Street Address [REDACTED]

City/State/Zip [REDACTED]

Telephone [REDACTED]

Email [REDACTED]

Declaration of [REDACTED]

I, [REDACTED], have personal knowledge of all facts set forth in this declaration and am competent to testify thereto if called upon to testify in a court of law. I hereby declare:

1. My name is [REDACTED], and I reside at [REDACTED]
2. I am a utility customer of Pacific Gas and Electric (PG&E).
3. A Smart Meter was installed on my home over my objections in August 2010.
4. At first I did not notice any ill effects, but over time symptoms began to accrue.
5. By November 2011 I was suffering from insomnia, nosebleeds while sleeping, constant nausea, headaches, heart palpitations, fatigue, loss of balance, and depression.
6. I called PG&E several times to request removal of the Smart Meter. They refused.
7. On November 7, 2011 I sent a certified legal notice to PG&E demanding the removal of their Smart Meter within 30 days. Non-compliance would require my replacement of the Smart Meter with an analog meter.
8. There was no response, so on 12/19/11 I had the meters switched. My symptoms all disappeared.

I declare under penalty of perjury that the foregoing is true and correct. I have personal knowledge of all facts set forth in this declaration and am competent to testify thereto if called upon to testify in a court of law.

This declaration was executed this 8th day of April, 2012 at Chico, California.

[REDACTED]

Smart Meter Health Effects Authorization

I [REDACTED], authorize use of my declaration regarding personal health effects from smart meters previously submitted to Smart Meter Help! or Stop Smart Meters!, to be used in the current smart meter safety investigation before the Maine Public Utilities Commission in the matter of Ed Friedman, et al- MPUC Docket No. 2011-00262.

I further authorize Josh Hart of Stop Smart Meters! to attach my declaration to his testimony in the MPUC proceeding to be submitted by Bruce McGlaufflin, Esq., representing the complainants, Ed Friedman, et al, in that case, with the understanding that my declaration will become part of the public record in that proceeding.

Signed this 21 day of January, 2013 by:

Name [REDACTED]

Street Address [REDACTED]

City/State/Zip [REDACTED]

Telephone [REDACTED]

Email [REDACTED]

Declaration re: Smart Meters

Declaration of [REDACTED]

I, [REDACTED] have personal knowledge of all facts set forth in this declaration and am competent to testify thereto if called upon to testify in a court of law.

I hereby declare:

1. My name is [REDACTED], and I reside at [REDACTED]
2. I am a utility customer of P.G. & E.
3. I moved into the above triplex in October of 2011. I have been diagnosed with Bipolar disorder, and I have a ten year old special needs child who is on the spectrum for Autism and Aspergers Syndrome. Shortly after moving in here, I noticed that both my son and I were waking up in the night, unable to sleep despite medication, and both of us have become more agitated and depressed than usual.
4. Around that same time, it came to my attention that we have three smart meters installed right outside the door to my kitchen and in proximity to both our bedrooms.
5. I complained to P.G. & E. about my concerns regarding the dangers of these smart meters and my concerns for my health and the health of my son.
6. I also spoke to my neighbors living in the triplex, who told me that they had informed P.G. & E. that they did not want the smart meters installed, however, P.G. & E. came back when no one was home and installed them anyway.
7. P.G. & E. subsequently phoned me back and left a message that I could opt out of the smart meter by paying a fee and a monthly charge. This fee is difficult for me to come up with, as I am living on a fixed income, and my two neighbors here in the triplex told me that they do not have the money for this either, so even if I personally was able to come up with the money, I am still unable to afford opting out of all three existing smart meters.
8. I feel that P.G.& E. is harming us and in a sense holding us hostage with disregard for our health and wishes, and especially as we are "at risk" people who are particularly sensitive to this. We signed a year lease when we moved here in October of last year, and at this time we cannot afford to move a few miles west to the town of Fairfax, CA where smart meters are banned! And we are unable to pay the opt out fee imposed by P.G.& E., who installed the smart meters against the wishes of the residents here.

I declare under penalty of perjury that the foregoing is true and correct.

I have personal knowledge of all facts set forth in this declaration and am competent to testify thereto if called upon to testify in a court of law.

This declaration was executed this 17th day of April, 2012 at San Anselmo, CA

[REDACTED]

CC: Marin County Health Dept.

Smart Meter Health Effects Authorization

I [REDACTED], authorize use of my declaration regarding personal health effects from smart meters previously submitted to Smart Meter Help! or Stop Smart Meters!, to be used in the current smart meter safety investigation before the Maine Public Utilities Commission in the matter of Ed Friedman, et al- MPUC Docket No. 2011-00262.

I further authorize Josh Hart of Stop Smart Meters! to attach my declaration to his testimony in the MPUC proceeding to be submitted by Bruce McGlaflin, Esq., representing the complainants, Ed Friedman, et al, in that case, with the understanding that my declaration will become part of the public record in that proceeding.

Signed this 22nd day of January, 2013 by:

Name [REDACTED]

Street Address [REDACTED]

City/State/Zip [REDACTED]

Telephone [REDACTED]

Email [REDACTED]

Declaration of [REDACTED]

I, [REDACTED], have personal knowledge of all facts set forth in this declaration and am competent to testify thereto if called upon to testify in a court of law. I hereby declare:

1. My name is [REDACTED], and I reside at [REDACTED]
2. I am a utility customer of CenterPointe Energy.
3. A Centerpointe employee knocked on my door on Friday 3/11/2011 and told me that he needed to get access to my electric meter. He had a new meter in his hand so I asked him, "Is that a smart meter?" He told me that it was and I then told him that I don't want it. I was told that I did not have a choice and being ignorant at the time I allowed him to change out my electromagnetic analog meter to the new smart meter.
4. Our meter is located just outside our master bedroom opposite from where our bed was located. My wife and I began having problems with insomnia. Before the smart meter I would typically wake up maybe once or twice during the night to go to the restroom and then would return fast asleep. Now we both wake up 4, 5 even 6 times each night for no apparent reason. I usually can fall back asleep only to wake up again in 30 or 40 minutes or maybe an hour. This is typical since receiving our smart meter.
5. I also have noticed since the smart meter was installed I wake up with night sweats, sharp intermitting headaches, tingling in both arms, shoulder pain, dizziness, blurred vision, neck aches, aches in both knees, legs, and ankles. My wife [REDACTED] has experienced most of the above symptoms plus nausea, ringing in the ears, nose bleeds and drainage in the eyes. All of the symptoms have begun since our meters were replaced. I say meters because Centerpointe also serves our home with natural gas and they have since installed a smart gas meter as well.
6. These are just the symptoms we have noticed since getting our smart meters. What problems will we all be having in 10-20 years from now?
7. Another issue that we have discovered is that these meters are not UL approved! Every other electrical appliance in our homes have always been rigorously test in the Underwriters Laboratory to be determined it's safety. Why are smart meters exempt from these test?
8. The FCC guidelines do not adequately protect us from this very high pulsating frequency. We have recently purchased a RF Power Flux Density meter and found that both our electric and gas smart meters produce over 2000 micro Watts per meter squared four to five times per minute. (We have recorded these readings via video recorder) We were told by Center point that they would only be transmitting 3 or 4 times (microburst) during the middle of the night.
9. We have since reviewed much research about RF radiation and found that it is harmful to humans, plants, animals and the environment. Even our dog reacts strangely at times escaping to a small enclave in our bathroom to sleep.
10. The California Public Utility Commission has realized these health concerns and made the decision to allow customers to opt-out of the AMS program. Even this would do little to help us since we are in a subdivision with many neighboring meters around us. Also, how will an opt-out program benefit apartment dwellers?
11. After all, these smart meters are not mandated here, by federal or Texas state laws.

12. We have also learned how the information gathered by these devices can determine private information that should not and need not be revealed to our electric providers. And we question the security of this information as it is transmitted thru the airways. We viewed a video that displayed how an electronic technician was able, with a \$30.00 piece of equipment ordered over the internet, to hack into his smart meter! This is a violation of our 4th amendment rights to privacy!

13. On a more positive note, I purchased a RF shielding bed canopy on 3/16/12 and it was delivered on 3/21/12. I installed it over our bed that evening and now both my wife and I have been able to sleep throughout the night. This is yet more proof to me that the RF radiation is the culprit.

I declare under penalty of perjury that the foregoing is true and correct. I have personal knowledge of all facts set forth in this declaration and am competent to testify thereto if called upon to testify in a court of law.

This declaration was executed this 4th day of April, 2012 at Spring, Texas.



Smart Meter Health Effects Authorization

I [REDACTED], authorize use of my declaration regarding personal health effects from smart meters previously submitted to Smart Meter Help! or Stop Smart Meters!, to be used in the current smart meter safety investigation before the Maine Public Utilities Commission in the matter of Ed Friedman, et al- MPUC Docket No. 2011-00262.

I further authorize Josh Hart of Stop Smart Meters! to attach my declaration to his testimony in the MPUC proceeding to be submitted by Bruce McGlaufflin, Esq., representing the complainants, Ed Friedman, et al, in that case, with the understanding that my declaration will become part of the public record in that proceeding.

Signed this 22 day of January, 2013 by:

Name [REDACTED]

Street Address [REDACTED]

City/State/Zip [REDACTED]

Telephone [REDACTED]

April 5, 2012

We had been living healthfully in Silicon Valley for 5 years before the Smart Meters came and changed everything. We had purchased an expensive house in an upscale neighborhood (Willow Glen in San Jose) thinking we would be there for the long haul and had established professions and personal relationships. We both worked at home at times, I more often as I moved from full time to marketing consulting work.

In early 2010, I began to have a number of health issues/symptoms and strange sensations: constant and loud ringing in my ears, bad insomnia wherein I awoke frequently shaking or trembling, tingling up the back of my neck and into my head, abdominal pain, moodiness, and fatigue. Thinking it was overwork, I cut back on my hours. However, my symptoms did not abate, they worsened. I began to have heart palpitations and pounding, intense eye pain, vision changes, flashing lights that seemed to be literally behind my eyes, and "shock like" sensations which jolted my body. I woke up frequently with the sensation that my head was in a vice (pressure on my head) and had an acute onset of chemical allergies which, like my other symptoms, was most prevalent inside our house.

Confused, I tried to determine what could be happening. My symptoms increased and I began to feel sicker in our house – nosebleeds, sore throat, weakness and hives were added to the list. I went to my primary doctor. Routine blood work collected on 3/16/2010 showed that my liver tests were abnormal (elevated) and that my blood had toxicity in it. (Attached). I had never had abnormal liver tests in my life.

As I began to discover that my symptoms were worst while inside the house and lessened when we were away down the coast visiting friends or up north in San Francisco, I analyzed what had changed and where I spent a lot of time. The trembling, hives, intense acute head pain, and flashing lights had all happened in the kitchen where I often worked or spent time cooking. The other symptoms were constant while in the house in general. I spoke with friends down the street who were also not feeling well. She had had a relapse of her MS, he was experiencing intense migraines and all their pets were sick. Thinking this was strange, I looked online.

I remembered that the electric (and gas) meters had been replaced and after doing some research online, I discovered that my symptoms were in line with many others suffering the effects of acute electromagnetic exposure following a smart meter installation. I learned that PG&E had been deploying the Grid in our area and that these were actually cellular devices communicating with all the other meters in our neighborhood and collection meters (the mesh system) which was never communicated to us by PG&E before install. Distraught, on 3/29/2010, I called PG&E to discuss the meter and my symptoms. I was told that the meters were no stronger than a microwave oven and that I was safe "at 6 feet" and that they were not removing them. Often, I had been closer than 6 feet to this meter given where our kitchen sink, island counter, phone, and kitchen table were.

I could not believe that the utility company would install something that was not safe; however, I tried to go on with my life and spend more time working on my health. I began working with a Naturopath – Dr. [REDACTED] ND, in Palo Alto to help with the EMF and chemical sensitivities. We made many changes to the interior of our house to reduce toxins including discarding furniture, throwing away our mattress and purchasing an all-natural mattress, and replacing carpeting with no VOC hardwood. I

worked aggressively to help detox my body. However, none of this did anything to relieve my symptoms. My health continued to deteriorate and I began feeling extremely agitated most of the time and couldn't concentrate well, often completely forgetting what I was talking about. I often lost balance, began to have chronic muscle spasms and muscle weakness and was weak and shaky often. I remember standing in the kitchen one day on the phone and starting to tremble. At one point, I had to rush to the counter as I was about to drop a cup of coffee.

Feeling awful, we moved into a hotel for 3 weeks in Los Gatos. I felt much better and was able to do some part time work for one of my clients. (I had had to leave my [REDACTED] role in June as I was unable to spend much time online now).

Again, on 11/3, I again called PG&E. I had heard you could have these removed. The representative (Liz) told me someone that I could speak to the Smart Meter group (hotline) about having it removed and someone would call to discuss my options. On 11/24, at 3:33 PM, the Smart Meter Department of PG&E called. The representative told me that PG&E "could not remove the meters, they were safe per the FCC, just stay 10 feet away from it".

I tried to stay out of the house as much as possible. We spent several weeks away in December and in January, we rented a colleagues house in Mountain View where the smart meter was much further away from the kitchen and bedroom. Finally, still unable to be in our house, on Feb 14th, 2011, we moved into a rental house in Santa Cruz where Smart Meters had not been deployed. There I was able to improve my health, if only for a few months as evidenced my improved blood tests. (Attached) We have since abandoned our house and California all together and relocated to Ann Arbor, Michigan where, sadly, the meters are now on their way. We are preparing to run again once they get to our neighborhood. These meters took years of my life away and have permanently damaged my health. I now have chronic EHS (MD documentation attached) and we were forced to abandon our plans to adopt a child.

In San Jose

After Smart Meter
Install

QUEST DIAGNOSTICS INCORPORATED

PATIENT INFORMATION

REPORT STATUS Final

ORDERING PHYSICIAN

DOB: [REDACTED] Age: [REDACTED]

GENDER: F

ID: [REDACTED]

COLLECTED: 03/16/2010 10:15

REPORTED: 03/18/2010 07:36

Test Name	In Range	Out of Range	Reference Range	Lab
COMPREHENSIVE METABOLIC PANEL (Continued)				
ALKALINE PHOSPHATASE	53		33-115 U/L	
AST (SGOT)		37 H	10-35 U/L	
ALT (SGPT)		43 H	6-40 U/L	
eGFR	>60		>=60 mL/min	

IF PATIENT IS AFRICAN AMERICAN, MULTIPLY REPORTED RESULT BY 1.21.

URINALYSIS, COMPLETE W/MICROSCOPIC

SJ

HYALINE CASTS	NONE SEEN	NONE SEEN
YEAST	NONE SEEN	NONE SEEN
RENAL EPITHELIAL	NONE SEEN	< OR = 3 per hpf
PROTEIN	2+	NEGATIVE
HEMOGLOBIN	3+	NEGATIVE
PH	7.0	5.0-8.0
SPECIFIC GRAVITY	1.009	1.001-1.035
GLUCOSE	NEGATIVE	NEGATIVE
KETONES	NEGATIVE	NEGATIVE
LEUKOCYTE ESTERASE	NEGATIVE	NEGATIVE
NITRITE	NEGATIVE	NEGATIVE
BILIRUBIN	NEGATIVE	NEGATIVE
WBC	NONE SEEN	0-5 per hpf
RBC	0-3	0-3 per hpf
EPITHELIAL CELLS	NONE SEEN	0-5 per hpf
BACTERIA	NONE SEEN	NONE SEEN
CRYSTALS	NONE SEEN	NONE SEEN
CASTS	NONE SEEN	NONE SEEN
COLOR	RED	YELLOW
APPEARANCE	CLEAR	CLEAR

LIPID PROFILE

SJ

CHOLESTEROL	159	125-200 mg/dL
TRIGLYCERIDES	47	<150 mg/dL
HDL CHOLESTEROL	85	> OR = 46 mg/dL
LDL CHOLESTEROL (CALC)	65	<130 mg/dL

RISK CATEGORY

LDL-CHOLESTEROL GOAL

VERY HIGH (E.G., DIABETES + CVD)	<70 mg/dL
HIGH (DIABETICS; CHD RISK EQUIVALENTS)	<100 mg/dL
MODERATELY HIGH	<130 mg/dL
(MULTIPLE (2+) RISK FACTORS)	
0 TO 1 RISK FACTORS	<160 mg/dL

*NCEP REPORT.CIRCULATION 2004;110:227-239.

CHOLESTEROL/HDL RATIO	1.9	< OR = 5.0 ratio
VLDL CHOLESTEROL	9	5-35 mg/dL

Page 2 - Continued on Page 3

PATIENT INFORMATION

REPORT STATUS Final

QUEST DIAGNOSTICS INCORPORATED
CLIENT SERVICE 800.722.8158

DOB: [REDACTED] Age: [REDACTED]
GENDER: F

ORDERING PHYSICIAN

CLIENT INFORMATION

SPECIMEN INFORMATION

SPECIMEN: A07422330
REQUISITION: 7343910101418
LAB REF NO: 7343910101418

ID: [REDACTED]
PHONE: [REDACTED]

COLLECTED: 03/16/2010 10:15
RECEIVED: 03/16/2010 10:14
REPORTED: 03/18/2010 07:36

Test Name	In Range	Out of Range	Reference Range	Lab
CUSTODIAL #:	LINCOLN			SJ
CBC/PLATELETS				SJ
WHITE CELL COUNT	4.6		3.8-10.8 thous/uL	
RED CELL COUNT	3.86		3.80-5.10 Million/uL	
HEMOGLOBIN	13.3		11.7-15.5 g/dL	
HEMATOCRIT	39.2		35.0-45.0 %	
MCV			80.0-100.0 fL	
MCH			27.0-33.0 pg	
MCHC	34.0		32.0-36.0 g/dL	
RDW	14.2		11.0-15.0 %	
MPV	9.6		7.5-11.5 fL	
NEUTROPHILS	59		40-75 %	
LYMPHOCYTES	27		20-45 %	
MONOCYTES	8		0-12 %	
EOSINOPHILS	5		0-6 %	
BASOPHILS	1		0-2 %	
ABSOLUTE NEUTROPHIL	2714		1500-7800 Cells/mcL	
ABSOLUTE LYMPHOCYTE	1242		850-3900 Cells/mcL	
ABSOLUTE MONOCYTES	368		200-950 Cells/mcL	
ABSOLUTE EOSINOPHIL	230		15-500 Cells/mcL	
ABSOLUTE BASOPHIL	46		0-200 Cells/mcL	
PLATELET COUNT	187		140-400 thous/uL	
ESR (WESTERGREN)	2		0-20 mm/h	SJ
COMPREHENSIVE METABOLIC PANEL				SJ
GLUCOSE	97		mg/dL	
			FASTING INTERVAL:	
			NORMAL:	65-99
			IMPAIRED:	100-125
			DIABETES:	>125
UREA NITROGEN	18		7-25 mg/dL	
CREATININE	0.71		0.59-1.07 mg/dL	
CALCIUM	9.0		8.6-10.2 mg/dL	
SODIUM	141		135 - 146 mmol/L	
POTASSIUM	4.4		3.5 - 5.3 mmol/L	
CO2	26		21-33 mmol/L	
CHLORIDE	106		98-110 mmol/L	
PROTEIN, TOTAL	6.5		6.2-8.3 g/dL	
ALBUMIN	4.2		3.6-5.1 g/dL	
GLOBULIN	2.3		2.2-3.9 g/dL	
A/G RATIO	1.8		1.0-2.1 ratio	
BILIRUBIN, TOTAL	0.6		0.2-1.2 mg/dL	

Indicates
Toxicity

102 H
34.6 H

Page 1 - Continued on Page 2

In Santa Cruz
when there were no
Smart
meters

QUEST DIAGNOSTICS INCORPORATED

SPECIMEN INFORMATION
SPECIMEN: BA3240753
REQUISITION:

PATIENT INFORMATION

DOB: AGE:
GENDER: F FASTING: Y

ID:
PHONE:

REPORT STATUS FINAL REPRINT

ORDERING PHYSICIAN

CLIENT INFORMATION

COLLECTED: 03/04/11 11:20
RECEIVED: 03/04/11 11:15
REPORTED: 03/10/11 17:01

COMMENTS: The original copy of this report was printed on: 03/05/11 at 10:30

CHART #: NOT GIVEN

Test Name	In Range	Out of Range	Reference Range	Lab
HEPATIC FUNCTION PANEL				
PROTEIN, TOTAL	7.1		6.2-8.3 g/dL	SJ
ALBUMIN	4.5		3.6-5.1 g/dL	SJ
GLOBULIN, TOTAL	2.6		2.2-3.9 g/dL	SJ
A/G RATIO	1.7		1.0-2.1 ratio	SJ
AST (SGOT)	26		10-35 U/L	SJ
BILIRUBIN, TOTAL	0.7	Normal	0.2-1.2 mg/dL	SJ
BILIRUBIN, DIRECT	0.1		< OR = 0.2 mg/dL	SJ
BILIRUBIN, INDIRECT	0.6		0.2-1.2 mg/dL	SJ
ALT (SGPT)	27		6-40 U/L	SJ
ALKALINE PHOSPHATASE			33-115 U/L	SJ
CBC (INCLUDES DIFF/PLT)				
WHITE BLOOD CELL COUNT	4.7		3.8-10.8 Thousand/uL	SJ
RED BLOOD CELL COUNT	4.24		3.80-5.10 Million/uL	SJ
HEMOGLOBIN	14.5		11.7-15.5 g/dL	SJ
HEMATOCRIT	42.2		35.0-45.0 %	SJ
MCV	100		80.0-100.0 fL	SJ
MCH	34.4	34.2 H	27.0-33.0 pg	SJ
MCHC	13.6		32.0-36.0 g/dL	SJ
RDW	213		11.0-15.0 %	SJ
PLATELET COUNT	3008		140-400 Thousand/uL	SJ
ABSOLUTE NEUTROPHILS	1175		1500-7800 Cells/uL	SJ
ABSOLUTE LYMPHOCYTES	329		850-3900 Cells/uL	SJ
ABSOLUTE MONOCYTES	188		200-950 Cells/uL	SJ
ABSOLUTE EOSINOPHILS	0		15-500 Cells/uL	SJ
ABSOLUTE BASOPHILS	64		0-200 Cells/uL	SJ
NEUTROPHILS	25		%	SJ
LYMPHOCYTES	7		%	SJ
MONOCYTES	4		%	SJ
EOSINOPHILS	0		%	SJ
BASOPHILS			%	SJ
SEDIMENTATION RATE (ESR)	7		0 - 20 mm/h	SJ

Page 1 - Continued on Page 2

CONTROL THE ENVIRONMENT



ISOLATE THE INCIDENT

April 2, 2012

To Whom It May Concern:

RE: [REDACTED]

Ms. [REDACTED] is under my care for the treatment of Electromagnetic Field Sensitivity which is a physiological disorder characterized by symptoms directly brought on by exposure to electromagnetic fields.

Many patients exhibit health problems and experience symptoms when exposed to electrical stimuli. This is due in part to the patient's bodily response to antigens.

The body functions through cellular and intracellular changes in electrical parameters. Electrical impulses originate in the sino-atrial node of the heart and initiate heart muscle contraction. Cells assimilate and excrete through osmotic changes created by differences in electrical potential. The brain communicates and functions through electrical impulses carried from one nerve synapse to another.

This intricate function of the body can be affected by exposure to coherent electro-magnetic fields created by power transmission and usage and wirelessly transmitting devices. In sensitive individuals, exposure to even the lowest frequencies can create disruption in homeostasis.

Individuals who in the past may have experienced chronic or low level electro-magnetic exposure or acute high level exposure may exhibit symptoms resembling a feeling of shock, muscle spasms, headaches, dizziness or seizures. Intense ringing in the ears and eye pain are other common symptoms which develop and linger after exposure. Ms. [REDACTED] has talked at length about these symptoms following exposure to a Smart Meter on her previous home in California and was instructed by a prior physician to have a brain MRI given the severity and nature of her symptoms.

A recent physical examination finding revealed a positive Romberg's sign wherein Ms. [REDACTED] was unable to maintain balance while performing the tandem gait test with eyes closed indicating latent disorientation from EMF exposure. We also saw significant autonomic nervous system changes with symptoms including heart arrhythmia and elevations in blood pressure when she was tested for various frequencies in a double blind controlled EMF testing environment.

With my years of experience testing and treating individuals for this type of condition, I kindly request that a wireless digital meter or "smart meter" (or any other type of wireless transmitter or antenna) not be installed on her home. It could be quite detrimental to her health. Your assistance in this matter is deeply appreciated.

If you require additional information, please contact my office at [REDACTED]

Sincerely, [REDACTED]

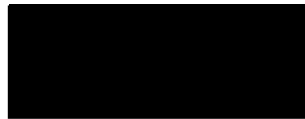


**Pacific Gas and
Electric Company®**

A little Too Late...

77 Beale Street
San Francisco, CA 94105-1814
Mailing Address
Pacific Gas and Electric Company
P. O. Box 770000
San Francisco, CA 94177-0001
415.973.7000

January 13, 2012



Dear Ms. [REDACTED],

I am writing to let you know that I have received and read the letter that you submitted to SmartMeterHelp.com regarding Pacific Gas and Electric Company's (PG&E) SmartMeter™ program. SmartMeterHelp.com submitted your letter to PG&E at a workshop that PG&E sponsored at the California Public Utilities Commission (CPUC) on December 9, 2011.

I want to start by telling you that we understand your concerns about SmartMeters™, and agree that choice is important when it comes to the meter at your home. We submitted a request to the CPUC in March 2011 that proposed choice for residential customers, and last month recommended to the CPUC that customers have the option to retain their analog meter if they choose. We are optimistic that the Commission will rule on our application shortly.

While awaiting a CPUC decision, PG&E has created a Delay List for customers who wish to postpone their meter upgrades. If you would like us to place you on that list, please call our dedicated helpline at 1-877-743-7378 and one of our representatives will be happy to assist you.

Warmest Regards,

Lavern Mitchell
Customer Relations
Pacific Gas and Electric Company

Smart Meter Health Effects Authorization

I _____, authorize use of my declaration regarding personal health effects from smart meters previously submitted to Smart Meter Help! or Stop Smart Meters!, to be used in the current smart meter safety investigation before the Maine Public Utilities Commission in the matter of Ed Friedman, et al- MPUC Docket No. 2011-00262.

I further authorize Josh Hart of Stop Smart Meters! to attach my declaration to his testimony in the MPUC proceeding to be submitted by Bruce McGlauflin, Esq., representing the complainants, Ed Friedman, et al, in that case, with the understanding that my declaration will become part of the public record in that proceeding.

Signed this 21st day of January, 2013 by:

Name _____

Street Address _____

City/State/Zip _____

Telephone _____

Email _____

April 3, 2012

Smart Meter Help!
PO Box 30
Davenport, CA 95017

Declaration of [REDACTED]

I, [REDACTED], have personal knowledge of all facts set forth in this declaration and am competent to testify thereto if called upon to testify in a court of law. I hereby declare:

1. My name is [REDACTED], and I reside at [REDACTED]

2. The residence where I live is a utility customer of PG&E. I live with my two elderly parents who own the residence. I am their daughter and live without paying rent. I only pay for utilities. My two parents are old and don't understand my issues with the smart meters and refuse to have them removed as they feel the government or some official would be upset. So I am forced to live with them as there is no place that doesn't have one on them anywhere that I can afford to move to.

1. Smart Meter installation (two smart meters, one for gas and one for electric) where installed on my residence on July 18, 2011. Two hours later I began experiencing intense headache, heart palpitations and nausea symptoms. After screaming of pain for a couple of hours, I secluded myself in the farthest reaches of my residence, away from the two smart meters (which were placed on either side of my bedroom).

Now I live in that one room, our den, almost all the time, as any other part of the house gives me instant headache, heart palpitations and nausea.

2. I arrived at the hospital Emergency Room at [REDACTED] Hospital in [REDACTED] CA, about 5 hours after the installation of the two smart meters on the residence where I live currently, July 18, 2011. I have my bills from that date. They gave me a prescription of Zofran (a medication for nausea used to treat people taking chemotherapy or radiation treatments) and checked my heart. The EKG, a one minute test, said I wasn't having a heart attack and so they cut me loose, not knowing what to do to help.

3. The next day the symptoms remain. Since I couldn't stop crying and yelling due to the pain, and my Zofran was only a one day supply, I returned to the Emergency Room again, two nights later, on July 20, 2011 and again was treated for nausea, and again described all my symptoms including headaches/ringing in the ears and heart palpitations. As the doctors couldn't find out what was wrong, I was told to report the symptoms to my regular treating physician.

4. The next day I went to my usual clinic, July 21, 2011, Dr. [REDACTED] office, at [REDACTED] where I saw right away the Physician Assistant on Duty, [REDACTED]. She listened to my complaints, which were still headaches, ringing in the ears, intense nausea, dizziness and heart palpitations. She prescribed more Zofran but didn't have any advice for the rest of my symptoms, having no idea what a smart meter was.

5. Realizing I was on my own, I permanently moved into my families residence's den and have since remained there. It is as far as I can get away from the two meters but leaves me in the position of being in everyone's way. I don't know how long I can live this way.

I can only go out when necessary, as now I am electro-sensitive to Smart Phones and Laptops (which people carry around with them) as well (which happen about two

months after, I am guessing, the two meters got installed and the rest of our neighborhood as well) and to all the other smart meters in town. So I am afraid to drive for fear my periods of dizziness my result in a car accident and I stay out of all other buildings, unless I have to go in for groceries or tests, as they too have Smart Meters which adversely affect me.

6. I just saw my regular treating physician this week, Dr. [REDACTED] and he prescribed more Zofran and didn't feel that the radiation from the smart meters was what was affecting me. That is all he knew about them. He had no advice to offer me or could not help with any symptoms but my nausea. I am on my own he indicated indirectly by refusing to ask any questions and just stomped out of my exam.

7. After dealing with these two smart meters on my residence since July 18th of last year, I have turned my life upside down in order to keep from being in intense pain and just having now a very limited existence as I can do very little and go nowhere safely.

8. As these may be the last words I have to say on the topic, I fear that they will cause my early demise and since I can do nothing to stop this from happening, I live in perpetual fear of dying from either a Sudden Heart attack or from internal hemorrhaging...as it feels like my guts are being ripped out daily and my brain fried (especially feel my brain is being heated in my frontal lobes). As I can eat little, I am slowly losing weight as well and slowly becoming malnourished as I can only eat two small meals a day. I am also having memory issues and immune issues now (I constantly forget what I am saying in the middle of a sentence and I am getting colds monthly now).

I declare under penalty of perjury that the foregoing is true and correct. I have personal knowledge of all facts set forth in this declaration and am competent to testify thereto if called upon to testify in a court of law.

This declaration was executed this 3rd day of April, 2012
at Santa Cruz, CA 95065

[REDACTED]

Smart Meter Health Effects Authorization

I [REDACTED], authorize use of my declaration regarding personal health effects from smart meters previously submitted to Smart Meter Help! or Stop Smart Meters!, to be used in the current smart meter safety investigation before the Maine Public Utilities Commission in the matter of Ed Friedman, et al- MPUC Docket No. 2011-00262.

I further authorize Josh Hart of Stop Smart Meters! to attach my declaration to his testimony in the MPUC proceeding to be submitted by Bruce McGlaufflin, Esq., representing the complainants, Ed Friedman, et al, in that case, with the understanding that my declaration will become part of the public record in that proceeding.

Signed this 22 day of January, 2013 by:

Name

Street Address

City/State/Zip

Telephone

Email



April 9th, 2011

I, [REDACTED] M.D., have personal knowledge of all facts set forth in this declaration and am competent to testify there to if called upon to testify in a court of law. I hereby declare:

1. My name is [REDACTED], and I reside at [REDACTED]
2. I am a utility customer of Pacific Gas and Electric.
3. In December 2009/ January 2010 I developed severe ringing in my ears particularly at night. One night I became desperate for a nights sleep and told my husband I would try sleeping outdoors to see if it would help. Much to my surprise it did help. I then slept outdoors at night in a tent for the next several months. This was around the time Smart Meters were installed in our neighborhood. We do not have a Smart Meter on our home because I requested no Smart Meter prior to deployment as I had occasional episodes of EMF sensitivity in the past if exposure was high. But we do have 7 close neighbors with 2 Smart Meters each. Moving outdoors reduced my total exposure by eliminating the exposure from my home. After Jan./Febr. 2010 I started having daily problems with EMF sensitivity. I had to limit the time I spent in buildings with Smart Meters. I tried 3 different offices where I had my private practice at [REDACTED] in Walnut Creek but the symptoms got worse and worse and eventually I had to close my practice on April 1st, 2011 at the [REDACTED] address. Gradually my symptoms of sleep difficulties worsened even outside. Some nights I traveled 2 hours south away from the Bay Area to a campground where I slept just fine. I started thinking I had to move. I got a job volunteering on an organic farm that didn't have cell phone reception. There I slept well in a tent every night for over 5 months. I felt well during the day and was able to help out on the farm. It was a joy to be making a contribution to society again even though it wasn't practicing medicine and helping children which I love to do. I stayed there from Memorial Day til November 15th, 2011. Meanwhile my husband tried to build me A Faraday cage so I could come home again. It didn't work. We got expensive assessments of our homes EMF situation and tried to lower the EMF of our home. This cost many thousands of dollars. We asked PG&E to measure the amp/voltage on our drop on our roof to find out if there was a problem with the electricity entering our home. They did a 24 hour recording for 4 days. They found the voltage dipped below normal (114?) and that means the amps running thru our wiring into our home was too high. So they replaced the wiring from our telephone pole to our home drop on our roof. This did help my symptoms somewhat but I was still unable to live in our home due to various symptoms like headache, fatigue and physical weakness, buzzing sensation in my left big toe and back etc.. While P.G.&E. did the work on our home they discovered a gas leak within 10 feet of our home, they sent about 8 vehicles to our home over the course of that day to repair the leak in the gas pipe entering our home. Date available upon request. I felt somewhat better after the gas leak was fixed. Still I wasn't able to live in our home. My husband hired 2 different electricians to put our wiring in metal casings. This cost several thousand dollars. Receipts available upon request.

1.



Toril H. Jelter MD FAAP
Board Certified Pediatrician
Specializing in Medical and Environmental
Aspects of Autism Related Illness

I visited my husband every other week-end. One week-end we had dinner with friends in a neighboring town. We sat at an outdoor table for my comfort. We enjoyed lively conversation. I was totally engaged. After about 1-2 hours I felt withdrawn, disinterested, became sad and felt weak. I asked my husband to take me home. 2 weeks later he took me back to this restaurant and asked me to look around. It was a narrow alley way about 20 feet wide. On one side of our table at head height was a Smart Meter on the wall of a building. On the other side, the opposite side of our table were 2 Smart meters. We had been sitting in the middle. Another time I visited a pizza restaurant. As we left we noticed a Smart Meter on the outside of the wall where I had been sitting. My husband said "Oh No!" I said it's OK I don't feel bad. This one was low to the ground about 1-2 feet up. That night I developed a severe allergic reaction with copious mucous from my nose and throat. I also had severe abdominal pain for about 4 hours. It was so severe it felt like child birth thru the abdominal wall rather than thru the birth canal. I couldn't sit still I had to keep moving to try to alleviate the pain. I considered going to the ER several times but held back as the ER is high EMF so I was afraid I'd get worse there. I have never had such severe abdominal pain before or after that night. The discomfort was noticeable to a milder degree for a week afterward. I have metal in my abdomen after previous surgery. One doctor told me this might be contributing and make me more vulnerable to EMF sensitivity. Over the past 2 years I have had many doctor visits to find out if anyone could help me. I have traveled all the way to Santa Barbara for help to see Dr. [REDACTED]. I have tried many supplements and detoxification procedures to see if there was anything I could do to myself to try to get so I could tolerate my home and work situation again. After many such attempts I am now able to live in my home if I limit my total EMF exposures thru out the day but have still not found a medical clinic setting to allow me to continue practicing medicine in a substantial way. We turn the electricity to our bedrooms off at night. I can only work for a few hours per week- not enough to sustain a practice in the long run. I can't find a medical clinic setting that has no Smart Meter and is otherwise low EMF. Soon my 7 neighbors will get a Smart Meter on their water supply. What will that do to me? I've asked a surgeon to remove the metal from my abdomen. He said it was not impossible but very difficult. I doubt any health insurance company would pay for this and the risks are high. Our lives have become a living nightmare. When I visit friends I have to limit the visit to their home. I can't visit family for very long if they have a Smart Meter because then I can't sleep at night. I am strongly opposed to electronic trespass thru our property. It is a human right to be able to live in ones home. We are being chased from our home and there seems to be no recourse. We have gone from 2 incomes to one. Our finances have been devastated. I am not only concerned about myself and my family and friends. As a society I am deeply concerned about the ramifications unbridled roll out of electromagnetic radiation (EMR) is having on our children. 1 of 88 children in the United States now has autism. That is over 1%! Researchers have identified many physiological abnormalities in these children. Over 50 of these physiological abnormalities can be caused or worsened by EMR. Details available upon request. That is shocking! Somebody, somewhere needs to do something. This is akin to rape of a whole generation but the weapon doesn't enter just one orifice in a child's body it enters every cell in their mind and body and harms them at levels of EMR that are currently considered "safe". EMR is the ultimate powerful weapon because the perpetrator has no blood on their hands. This has to stop. We must learn how to use



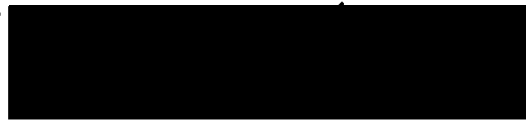
Toril H. Jelter MD FAAP
Board Certified Pediatrician
Specializing in Medical and Environmental
Aspects of Autism Related Illness

modern technology in a "safe" manner. If a utility already has proven repeatedly that they are unable to maintain the electrical distribution system (contact David Wilner (415) 898-1200 for more information) and the gas distribution system (i.e. San Bruno) why on earth do we permit a third tier that needs to be maintained? At least we can sometimes smell gas when there is a leak and stop the leak but we have no way of monitoring whether or not a Smart Meter is working right and even if it is it is harming people.

4. In summary I have had the following since the Smart Meters entered my community. Loss of health, loss of livelihood, loss of freedom to go where I please, loss of the ability to spend time with family and friends, temporary loss of my home and the potential for complete loss of my home unless Smart Meter free neighborhoods are established and many additional expenses for travel, EMF remediation and loss of vehicle returning from Santa Barbara and more.

I declare under penalty of perjury that the foregoing is true and correct. I have personal knowledge of all facts set forth and am competent to testify there to if called upon to testify in a court of law.

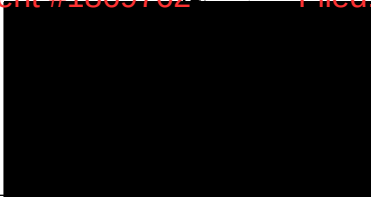
Sincerely,





The following physiologic dysfunctions have been found in some children with an autism spectrum disorder. The same dysfunctions can be exaggerated or caused by electromagnetic radiation that is currently considered to be “safe”.

- Genetic alterations and chromosomal changes
- Cerebellum changes on MRI
- Retina/ optic nerve damage/ visual problems
- Increased inflammatory reactions
- Increased hypersensitivity/ allergic reactions
- Immune shift or dysfunction
- Genotoxicity
- Increased oxidative stress
- Increased risk with older parents
- Altered fetal development
- Genetic dysfunctions
- Mutations
- Somatic alterations
- Disturbance of orientation in space
- Increased autoimmune risk
- Cerebral cortex abnormalities
- Altered molecular and cellular development
- Latent effect
- Brain and cerebellar nerve cell damage
- Microdeletions on chromosomes
- Protein expression abnormalities
- Increased cellular stress response
- Morphologic alterations of immune cells
- Changed lymphocyte viability
- Decrease of Natural Killer cells
- Decrease of T-lymphocytes
- Uteroplacental circulatory disturbance
- Increased membrane permeability
- Altered cytokine profile
- Disturbance of gastrointestinal function, gastric 'juices', enzymes, motility, inflammation etc.
- Serotonin dysfunctions
- Decrease of melatonin and sleep difficulties
- Dietary opioid peptide abnormalities
- Behavioral dysfunction
- Cognitive dysfunction

- 
- Hypo or hyperactivity
 - Memory problems
 - Deficits in understanding complex ideas
 - Increased seizure risk
 - Autonomic disturbance
 - Poor visual and perceptual motor skills and auditory memory
 - Headaches
 - Fatigue
 - Depression
 - Anxiety
 - Lack of concentration
 - Increased irritability
 - Decreased appetite
 - Aggression
 - Hormonal disturbance
 - Electromagnetic hypersensitivity (3.2% in California)-common reported signs and symptoms of the latter are: Headache, thought processing difficulties, memory impairment, heart palpitations, sleep disorder, general malaise, blurred vision, weakness, dizziness, chest discomfort, muscle pain, tinnitus, fatigue, nausea, night sweats, restless legs or paresthesias

When a researcher notices that environmental factor A can cause B and that entity B has been identified in children with autism the researcher will no doubt wonder if environmental factor A is somehow contributing to or causing dysfunction B in children with autism. What do YOU think a researcher thinks if electromagnetic radiation currently considered "safe" can cause or worsen over 50 of the pathological processes already identified in children with autism? There are many things we as a global community can do now if we wish to nurture the next generation of children. For example: Try a 2 week EMF remediation trial: See how your family feels: Turn off the wireless router for 12 hours at night and use an ethernet cable during the day, unplug all cordless phones use wired instead and turn off the electricity to the bedrooms at night IF you know how to do this safely. You may be surprised by what you discover!

For more information see the following websites:

Wired Child
EMF Safety network
Citizens for safe technology

Sources: The Bioinitiative Report by Dr. Carpenter and Cindy Sage
Autism edited by Andrew W. Zimmerman
Changing the Course of Autism by Dr. Bryan Jepson
Autism and its Medical Management by Michael G. Chez MD
Cross Currents by Dr. Robert O. Becker

Smart Meter Health Effects Authorization

I [REDACTED], authorize use of my declaration regarding personal health effects from smart meters previously submitted to Smart Meter Help! or Stop Smart Meters!, to be used in the current smart meter safety investigation before the Maine Public Utilities Commission in the matter of Ed Friedman, et al- MPUC Docket No. 2011-00262.

I further authorize Josh Hart of Stop Smart Meters! to attach my declaration to his testimony in the MPUC proceeding to be submitted by Bruce McGlauflin, Esq., representing the complainants, Ed Friedman, et al, in that case, with the understanding that my declaration will become part of the public record in that proceeding.

Signed this 19 day of January, 2013 by:

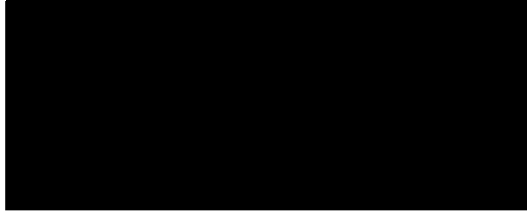
Name [REDACTED]

Street Address [REDACTED]

City/State/Zip [REDACTED]

Telephone [REDACTED]

Email [REDACTED]



April 6, 2012

I, [REDACTED] have personal knowledge of all facts set forth in this declaration and am competent to testify thereto if called upon to testify in a court of law. I hereby declare:

My name is [REDACTED], and I reside at [REDACTED]
[REDACTED] I am a utility customer of Pacific Gas and Electric (PG&E).

I live in a condominium complex where clusters of smart meters were installed on all the buildings several months ago. In early March, 2012, I began waking up every morning with ringing in my ears. I had never experienced this in my home before, ever. The ringing became gradually stronger and louder, becoming shrill and high pitched. The ringing was accompanied by a buzzing sound. At first, the ringing would go away when I was away from the house, but after several weeks the buzzing and ringing became so pronounced that it would continue even when I was away from home. I also began to feel a strange burning sensation along with mild nausea when I was at home. My sleep became disturbed. I instinctively knew it was from the smart meters, which I had never wanted installed in the first place. I went online to research common smart meter health complaints and found that my exact symptoms were shared by many others. Alarmed, I called my doctor and made an appointment. I was seen by Dr. [REDACTED] on March 28, 2012. She told me that ringing in the ears (Tinnitus) is a condition she takes very seriously because it can cause hearing loss. I was referred for an audiology exam which is scheduled for May 16, 2012.

"Opting out" of my own smart meter does not solve the problem for me because I am surrounded by everyone else's smart meters, which are in very close proximity to me. I have learned that PG&E has violated FCC regulations by "co-locating" the smart meters in clusters, which emit dangerously high levels of Electromagnetic Radiation, as determined by the FCC. No one is enforcing this regulation. In addition, the meters are installed such that all residents of my complex must pass within several inches of the meters to empty their trash. This is also an FCC

regulation violation, which states the meters are not to be within 20 cm of human contact.

I have been forced to move out of my bedroom and am sleeping at the bottom of my staircase, up against a wall that is the farthest away from the meters. This has helped to diminish the ringing somewhat. Some nights, however, it is so intolerable in my home that I have driven to my place of business in [REDACTED] Ca, late at night to sleep in my office. I find that the more time I spend away from home, the better I feel. I am no longer comfortable in my own home and feel as though I have been invaded.

It has become clear to me that if this situation is not remedied, I will be forced to move out of the home that I love. I have spent hours researching methods to protect against EMF radiation and have scheduled contractors to shield the inner walls of my home with copper paint and cover my windows with copper screens. This is going to be quite costly for me, as well as time consuming, since I will need to re-paint over the copper paint, even though I just painted my entire interior less than one year ago. I am hoping that the shielding will allow me to stay in my home until PG&E is forced to remove the meters or at the very least abide by the FCC regulations and have no more than one meter per building. Of course I will not be protected from the meters when outside, such as when going from my home to my car or emptying trash. Taking walks in my neighborhood, sadly, is no longer safe.

It has been well documented by doctors, scientists, and public health officials that smart meters are a serious public health issue. I have had the levels of radiation coming into my home and emanating from the smart meters on my building measured with the use of an RF meter, and have documented evidence that these levels are dangerous. I will do whatever is necessary on my part to ensure that this unwanted, unsafe, abominable smart meter nightmare comes to an end as quickly as possible.

I declare under penalty of perjury that the foregoing is true and correct. I have personal knowledge of all facts set forth in this declaration and am competent to testify thereto if called upon to testify in a court of law.

This declaration was executed this 6th day of April, 2012 at Capitola, California.

[REDACTED]

Department: [REDACTED]

Description: Female DOB: [REDACTED]

3/28/2012 1:20 PM Office Visit

Dept Phone: [REDACTED]

Provider: [REDACTED]

MRN: [REDACTED]

Reason for Visit

Tinnitus

ringing in ears

**Your Vitals Were -
Last Recorded**BP
106/52Pulse
59Temp(Src)
98.5 °F (36.9
°C) (Oral)Resp
12Weight
68.312 kg (150
lb 9.6 oz)SpO2
97%**Today's Orders**

REFERRAL TO AUDIOLOGY, INT

Immunizations or injections administered on date of encounter - 3/28/2012

No immunizations on file.

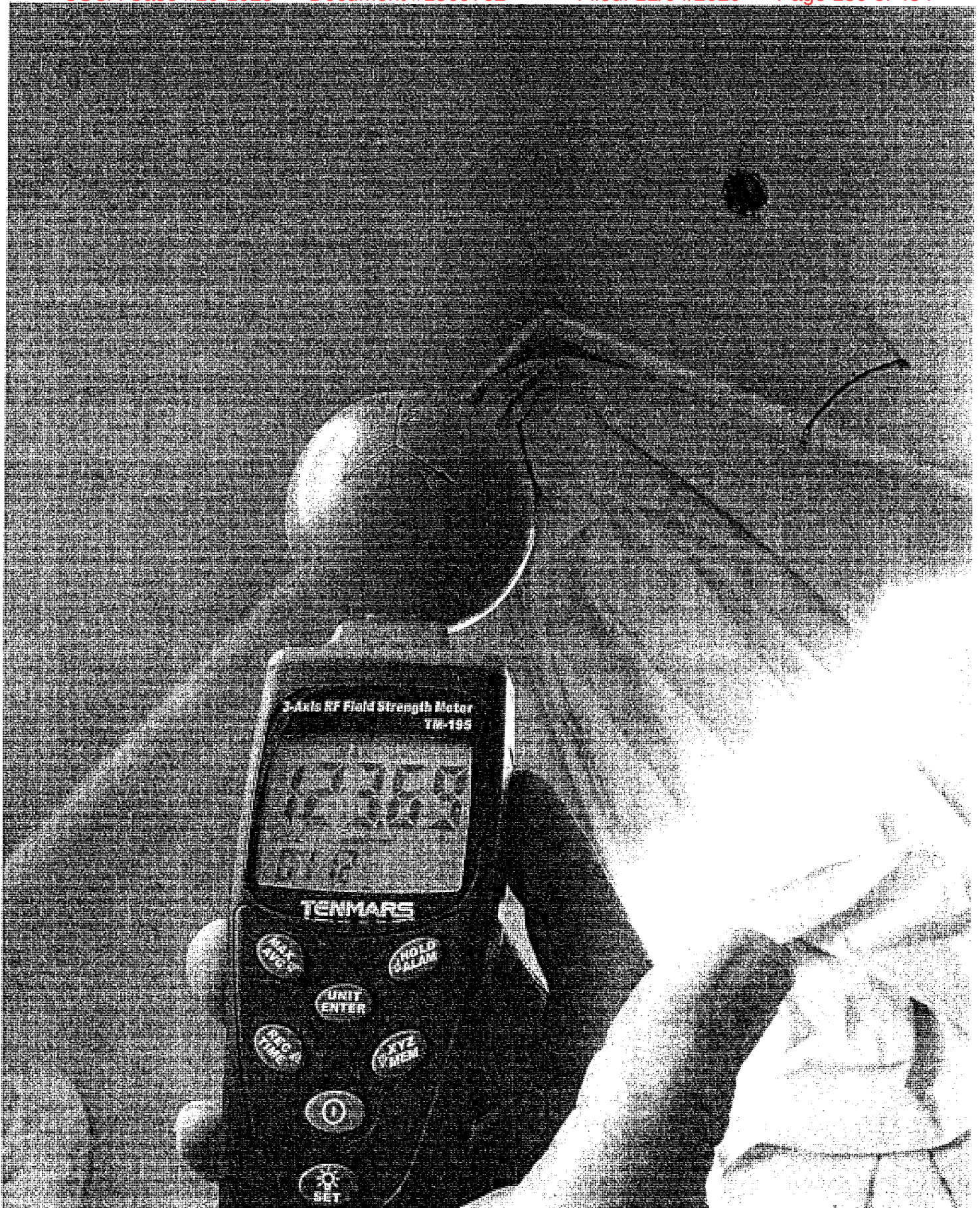
Test and Procedures**Internal Referral:**

REFERRAL TO AUDIOLOGY, INT

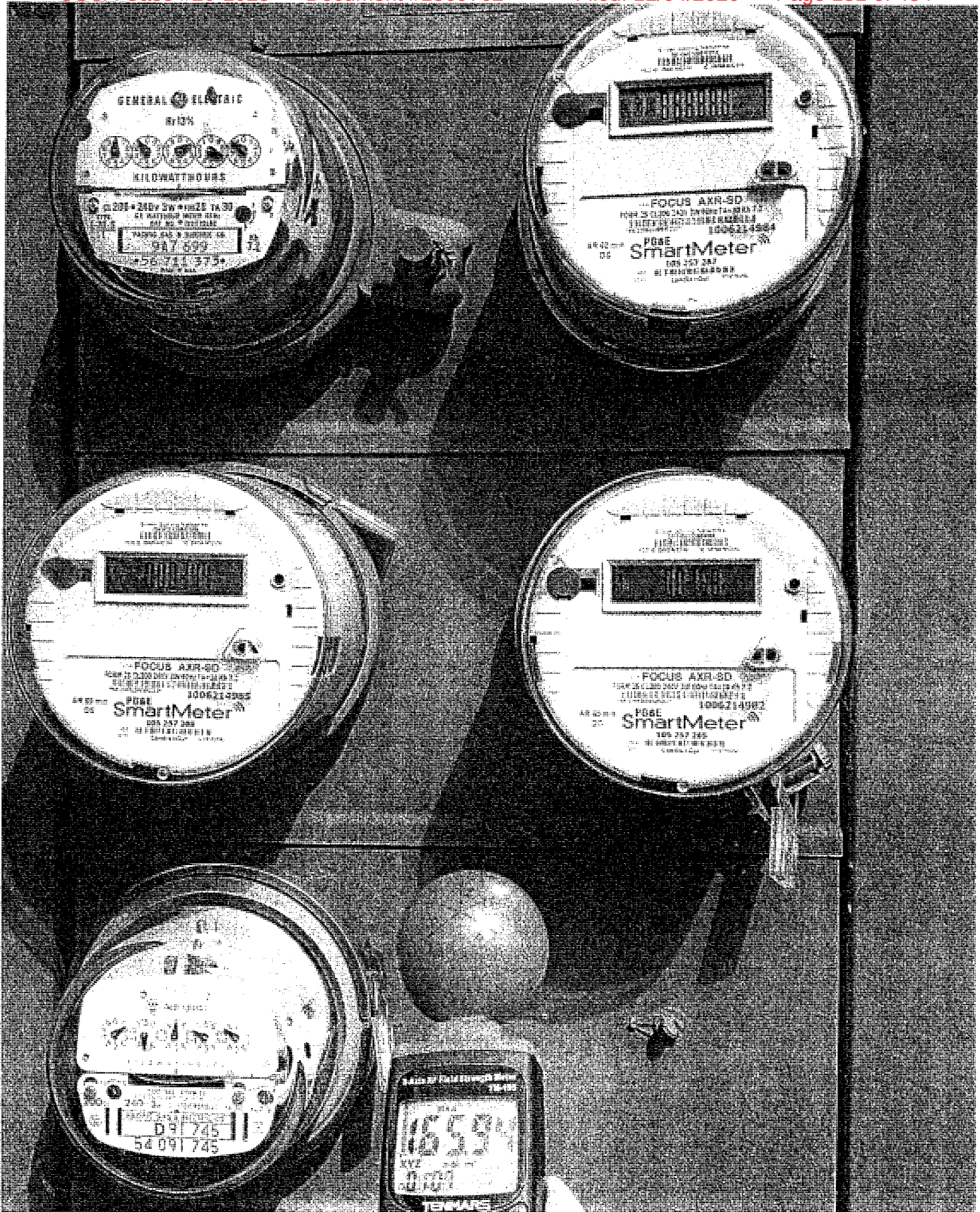
If the Audiology Department has not contacted you within 3 days to schedule your appointment, please call the number below.

**Allergies as of
3/28/2012**

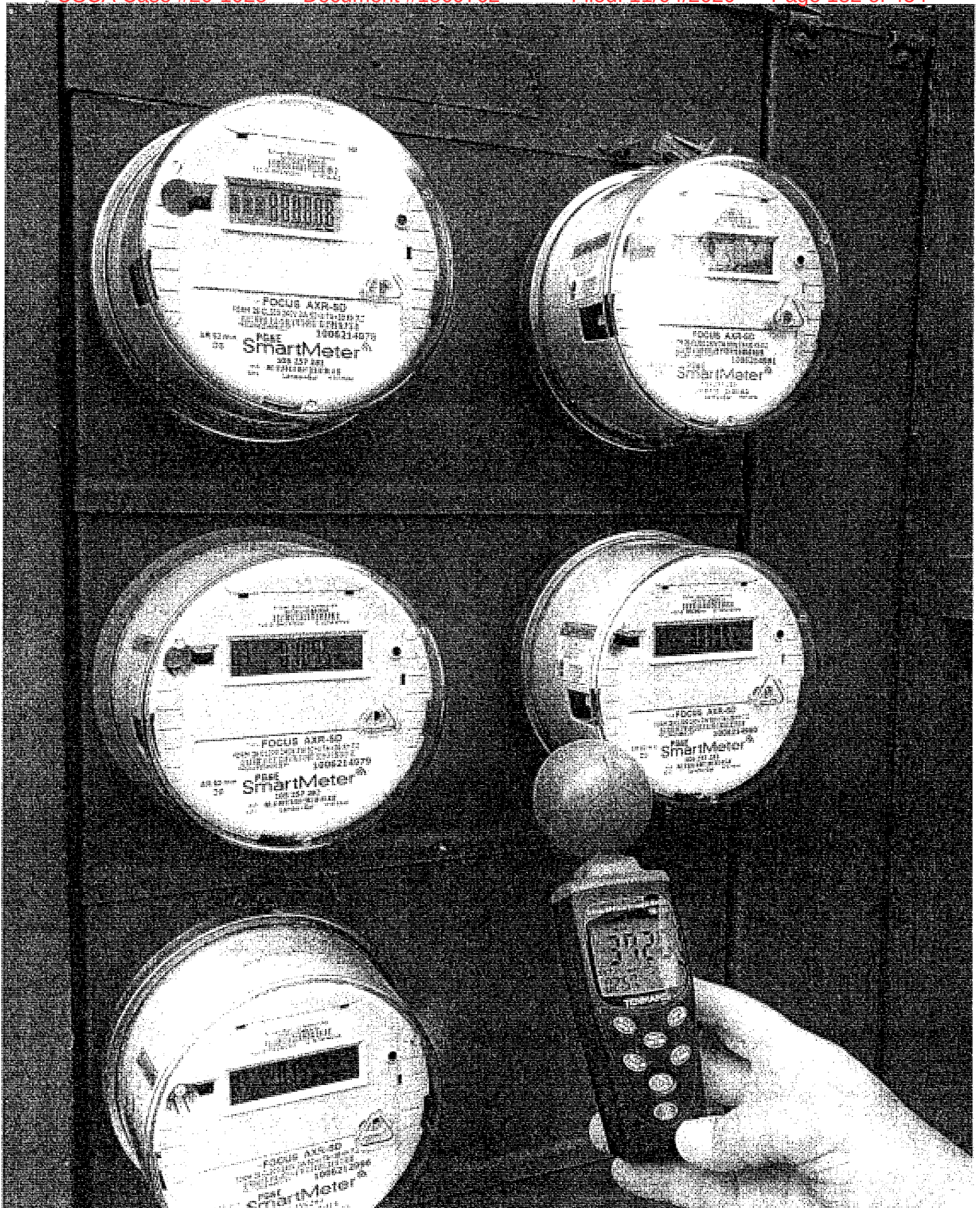
No Known Allergies



April 5, 2012 upstairs bedroom during oven fan shielding



My building (2 "out-outs")



Directly across from me

Smart Meter Health Effects Authorization

I [REDACTED], authorize use of my declaration regarding personal health effects from smart meters previously submitted to Smart Meter Help! or Stop Smart Meters!, to be used in the current smart meter safety investigation before the Maine Public Utilities Commission in the matter of Ed Friedman, et al- MPUC Docket No. 2011-00262.

I further authorize Josh Hart of Stop Smart Meters! to attach my declaration to his testimony in the MPUC proceeding to be submitted by Bruce McGlaufflin, Esq., representing the complainants, Ed Friedman, et al, in that case, with the understanding that my declaration will become part of the public record in that proceeding.

Signed this 21 day of January, 2013 by:

Name

Street Address

City/State/Zip

Telephone

Email

Declaration of [REDACTED]

I, [REDACTED] have personal knowledge of all facts set forth in this declaration and am competent to testify thereto if called upon to testify in a court of law. I hereby declare:

1. My name is [REDACTED] and until March 2012, I resided at [REDACTED]
2. Until March 2012, I was living with my sister and her husband, who were utility customers of Pacific Gas and Electric.
3. I was unaware that a Smart Meter had been installed on our house, but I suddenly began having severe, debilitating headaches, joint and muscle pain, muscle cramping, elevated blood pressure, irregular heartbeat, insomnia, and an intermittent buzzing/tingling sensation in my legs and feet that happened every few seconds day and night, and I realized on checking with the electric company, that my symptoms began right after the Smart Meter was first installed. What further confirmed for me my suspicion that my symptoms were connected to the Smart Meter was the fact that my symptoms completely disappeared when I would go to stay a few days at my daughter's house in Marin County (which has placed a moratorium on Smart Meter installation, so consequently none of the houses or businesses in her area have Smart Meters).
4. The effects of the Smart Meter were so debilitating for me that I have relocated to [REDACTED], to an area where there are no Smart Meters.

I declare under penalty of perjury that the foregoing is true and correct. I have personal knowledge of all facts set forth in this declaration and am competent to testify thereto if called upon to testify in a court of law. This declaration was executed this 3rd day of April, 2012 at Asheville, North Carolina.

[REDACTED]

Smart Meter Health Effects Authorization

I _____ authorize use of my declaration regarding personal health effects from smart meters previously submitted to Smart Meter Help! or Stop Smart Meters!, to be used in the current smart meter safety investigation before the Maine Public Utilities Commission in the matter of Ed Friedman, et al- MPUC Docket No. 2011-00262.

I further authorize Josh Hart of Stop Smart Meters! to attach my declaration to his testimony in the MPUC proceeding to be submitted by Bruce McGlaufflin, Esq., representing the complainants, Ed Friedman, et al, in that case, with the understanding that my declaration will become part of the public record in that proceeding.

Signed this 22nd day of January, 2013 by:

Name _____

Street Address _____

City/State/Zip _____

Telephone _____

Email _____

Signature _____

Declaration of [REDACTED]

I, [REDACTED], have personal knowledge of all facts set forth in this declaration and am competent to testify thereto if called upon to testify in a court of law. I hereby declare:

- (1) My name is [REDACTED] and I reside at [REDACTED]
- (2) I am a utility customer of Florida Power & Light Company, NextEra Energy Resources, LLC.
- (3) Approx Feb 28th to March 1, 2012 FPL/NextEra installed smart meters on both my neighbor's homes. I did not have a meter installed on my home. I started getting sick on 29th-1st March.
- (4) I was not able to go to the left side of my house or the right side I was confined to my great room which was in the middle because of the smart meters on my neighbor's homes. I could not cook in my kitchen because my condition got worse, the use of my bathrooms had to be quick because both on my bathrooms were on the side of the house were my neighbors smart meter was.
- (5) I was in good health before the smart meters were installed because of FPL/NextEra installing the smart meters my quality of life went down hill. I was subjected to extreme pain and agony. I experienced severe insomnia, diarrhea, agitation and irritability, flu like symptoms, extreme fatigue, CONSTANT stabbing migraines, extreme nausea, heart palpitations, muscle pain, earaches, severe anxiety, and an induced seizure. On March 10th I suffered a seizure in Which EMS rushed me to the hospital were I was diagnosed as having a seizure. My husband also started to get migraines when they installed the smart meter my Neighbor's homes.
- (6) On March 11th I called and left a message with the customer advocate for FPL Clara Scutt and notified her that I had a seizure from the smart meters on my neighbors Homes and that my husband was terrified to go to work and leave me alone in fear Of me having another seizure from the smart meters. Clara Scutt called me back on Monday March 12 and said she will see what she can do. Clara Scutt called back I am not sure of the time line 1 day or 2 and stated FPL could not remove the Smart Meters from my neighbors homes unless my neighbors contacted FPL and made A request.
- (7) FPL/NextEra have very devious business model. FPL/NextEra did not call and ask if homeowners wanted the smart meter installed I checked with 3 neighbors and many friends, workers and people who live in this county. FPL/NextEra changed the smart meters BY FORCE they have the gall to say to me they need permission to remove the smart meters. When FPL/Next ERA removed the smart meters from my neighbors homes the side effects I was feeling subsided 1 day after the removal.

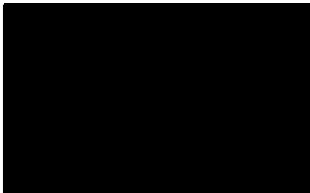
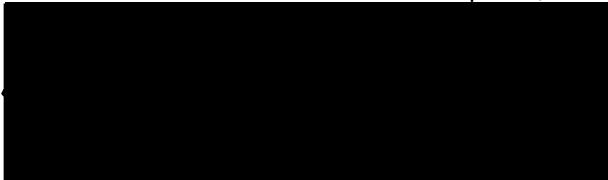
(8)14 years ago I had overcome a neurological condition, my doctor was extremely pleased with my progress over the past 9 years we where discussing taking me off meds I no longer need a goal I had sought all this time; he was also pleased my thyroid condition was also under control other than a migraine disorder I have enjoyed a relatively good health until now.

Now I find it difficult to speak without stuttering even trying to get words out. I have huge memory loss, difficulty concentrating or doing any critical thinking. I have spasms on the left side of my body and my equilibrium is off. My migraine disorder has been exacerbated. Not related to my migraine disorder I wake up and go to bed feeling sick every day since the smart meter installation.

I don't know if I will ever return to normal, this is what I face since FPL/NextEra decided to put smart meters on to peoples homes with no testing. FPL/NextEra has made my husband and myself guinea pigs to dangerous technology. The side effects I have mentioned in the beginning of (8) still remain to this day and could possibly be permanent.

I declare under penalty of perjury that the foregoing is true and correct. I have personal knowledge of all facts set forth in this declaration and am competent to testify thereto if called upon to testify in a court of law.

This declaration was executed this April 19, 2012 Port St Lucie, FL 34983



Smart Meter Health Effects Authorization

I _____, authorize use of my declaration regarding personal health effects from smart meters previously submitted to Smart Meter Help! or Stop Smart Meters!, to be used in the current smart meter safety investigation before the Maine Public Utilities Commission in the matter of Ed Friedman, et al- MPUC Docket No. 2011-00262.

I further authorize Josh Hart of Stop Smart Meters! to attach my declaration to his testimony in the MPUC proceeding to be submitted by Bruce McGlauflin, Esq., representing the complainants, Ed Friedman, et al, in that case, with the understanding that my declaration will become part of the public record in that proceeding.

Signed this 22nd day of January, 2013 by:

Name _____

Street Address _____

City/State/Zip _____

Telephone _____

Email _____

4/7/2012;

Declaration of [REDACTED]

I, [REDACTED], have personal knowledge of all facts set forth in this declaration and am competent to testify thereto if called upon to testify in a court of law. I hereby declare:

1. My name is [REDACTED] and I reside at [REDACTED]
2. I am a utility customer of Pacific Gas and Electric (PG&E).

I have been suffering debilitating headaches and dizziness since Smart Meters were installed on homes in my neighborhood and place of work in 2010. At the onset of the headaches and dizziness I was uncertain of their cause and sought medical attention. Doctors tried many tests and prescribed medications to try to find the source and alleviate the symptoms all with no success at alleviating the headaches and dizziness. The answer became very clear when in June of 2011, I left Marin County to go visit my Mother in Agoura (southern California). For my nine day visit, I had no headaches or dizziness. Upon my return home, the headaches immediately resumed. As suggested by doctors, I had been keeping a headache journal in an attempt to find some source whether diet, environmental, behavioral, etc. I was getting 15 to 18 debilitating headaches per month every month since the time the smart meter was installed. I began to suspect the SmartMeter variable and tested this as a possible source by simply leaving to areas without them and returning. The response was consistent; my headaches went away when I was not anywhere around Smart Meters.

I called PG&E on 8/25/11 and asked them to remove it and was told they were waiting on the CPUC. I filed a complaint with the CPUC on that same day. I put an aluminum shield around the outside of the meter (a turkey roasting pan), and shielded the interior wall the meter was up against with aluminum foil. This helped reduce my headaches from a level that was causing extreme nausea and photo sensitivity to a simple plain old irritating headache that did not keep me from going about my business.

On 9/15/11 one of my doctors diagnosed me with electrical sensitivity. I never had this problem prior to the smart meter. On 9/20/11 a second doctor confirmed this diagnosis and wrote a letter for me to submit to PG&E stating that the smart meter was causing my electrical sensitivity and "it is medically necessary that her analog meter be restored on her home". This letter was submitted to PG&E and the CPUC. The smart meter on my home was finally removed on 2/2/12.

I am fortunate that I live in a small court up against open space and that I have neighbors who also do not want Smart Meters. The headaches and dizziness I was experiencing are gone for the most part

when I am in my own home. I sometimes still have trouble when I have spent too much time outside of my home environment and gotten electrically loaded up. Unfortunately, the larger neighborhood I live in and my workplace still have Smart Meters. I cannot walk my dog in our neighborhood without getting very dizzy. The dizziness subsides when I get home, but this is just not acceptable. These horrible devices should all be removed!

I have spent thousands of dollars on doctors, EMF specialists, EMF reduction devices that don't seem to work, massage and other therapists to try to alleviate the headaches and dizziness. I have been distraught about potentially having to move and to sell my home when I am not in a financial position to do so. I am even more upset about the thought of having to leave the job of teaching High School Auto Shop in Mill Valley that I absolutely love in order to escape the Smart Meters and their effects on me.

I declare under penalty of perjury that the foregoing is true and correct. I have personal knowledge of all facts set forth in this declaration and am competent to testify thereto if called upon to testify in a court of law.

This declaration was executed this April 7th, 2012 at Novato, California.



9/20/2011

To Whom It May Concern:

Patient, [REDACTED] has been suffering from chronic severe headache since her gas and electric SmartMeter's were installed. She has developed electrosensitivity as a result of excessive exposure to this RF microwave radiation. It is medically necessary that her analog meter (s) be restored on her home.

Thank You,

[REDACTED]

MD

Smart Meter Health Effects Authorization

I [REDACTED] authorize use of my declaration regarding personal health effects from smart meters previously submitted to Smart Meter Help! or Stop Smart Meters!, to be used in the current smart meter safety investigation before the Maine Public Utilities Commission in the matter of Ed Friedman, et al- MPUC Docket No. 2011-00262.

I further authorize Josh Hart of Stop Smart Meters! to attach my declaration to his testimony in the MPUC proceeding to be submitted by Bruce McGlaufflin, Esq., representing the complainants, Ed Friedman, et al, in that case, with the understanding that my declaration will become part of the public record in that proceeding.

Signed this 22 day of January, 2013 by:

[REDACTED]

Name [REDACTED]

Street Address [REDACTED]

City/State/Zip [REDACTED]

Telephone [REDACTED]

Email [REDACTED]

Declaration of [REDACTED]

I, [REDACTED], have personal knowledge of all facts set forth in this declaration and am competent to testify thereto if called upon to testify in a court of law. I hereby declare:

1. My name is [REDACTED], and I reside at [REDACTED]

2. I am a utility customer of PGE (Portland General Electric)

a.) meters were installed. i started waking several times throughout the night with the most awful uncomfortable feeling of feverish chill in my bones i have ever felt, and a state of anxiety, panic, and "feeling of impending doom". i had 4 day long incredibly painful migranes, nausea, and a prickly sensation on my face. i was waking several times throughout the night. i had no idea what the cause was at the time.

b.) after a week, i noticed the millions of frogs that thrived here werent chirping anymore, and the crickets chirps had all but left as well.

c.) the trees started exhibiting grey/white patches on their bark, some patches as thick as paint. the bark was splitting on most trees, and appearing scabbed over and covered in fungi, lichen, and moss. now these trees, from portland, throughout beaverton, hillsboro, and forestgrove are dying and falling to the ground at an alarming rate. ALL trees, that i have seen, are showing signs of disease or infestation, even the huge ancient ones (one of these fell in forest grove a week or so ago and blocked traffic).

d.) late march 2010, my symptoms immediately tripled, and i woke up panicked, my heart pounding out of my chest in a state of emergency, i vomited, my nose bleeding. i stepped outside to get some air, i felt like i couldnt breathe. i witnessed them completing the installation of a collector meter on the street pole at the intersection of [REDACTED] rd. and [REDACTED] blvd, right outside my end apartment. i walked over and looked, and it was a smartmeter similar to the 2 on my sons bedroom wall. for lack of knowing what to do, out of frustration, and in a physical state of panic, i googled "electric meters making me sick", and was shocked to read the results. i found several websites talking about the dangers of these meters, in other states than mine, and proceeded to call PGE and OREGON PUBLIC UTILITIES, to beg them to turn them off. OPU's smartmeter excuse person was the rudest, coldest, most unfeeling woman i have ever had the displeasure of speaking with in my life. PGE put a public relation person on the line and told me i was the only one complaining, that the meters were safe, and i should find out whats causing my problems because it certainly wasnt the meters. the experiences i was finding on these websites were identical to mine. i started making phone calls, and sending emails, everywhere i could think of, to no avail.

e.) i have been sleeping on a couch in my living room for over a year. the "pulse" in my bedroom, and my sons bedroom, is much stronger than in my living room for some unknown reason, and my son now lives with his dad. they hooked Portland up to this grid about september, 2011. the trees rapid decline increased then, and again, my symptoms. i cant fall asleep at all until after 3-5am many nights, and i toss and turn the whole time, many times not being able to sleep at all.

f.) my symptoms now, and for the past year have increased to : 1.) tinitus (CONSTANT ringing in the ears, worse when the frequency is ramped up), 2.) chronic migranes lasting 4 days sometimes, 3.) chronic insomnia (no sleep at all sometimes and no restful sleep ever, and not able to pass out even with a sleep aid until after 3am) 4.) chronic fatigue, 5.) nausea, sometimes so bad i am unable to eat, and vomiting, not like flu, like vomiting from stress 6.) pain and feverish chill in my bones. 7.) pain in my ears 8.) eye strain and vision disturbance, words jump around on pages, focus goes in and out. 9.) pain in jaw and teeth. 10.) organs feel swollen. 11.) heart palpitations so bad i feel i must have a phone nearby in case of heart attack. 12.) involuntary muscle contractions, inability to "unflex" my muscle tissue for hours and whole nights at a time. muscles twitch, and cramp, and my lower back gets so strained i can hardly use the restroom by myself sometimes 13.) frequent urination and dehydration (i sleep with a gallon of water by me the thirst gets so profound. 14.) nosebleeds and sinus pressure 15.) psychological: fear, anxiety, constant stress, unable to put sentences together to speak, cant find words i want to use and cant remember how to spell them anymore., depression and despair, feeling no hope, no joy whatsoever and no energy to live at all, confusion, panic, inability to focus at all, constantly "drawing a blank". knowing i wont survive much longer if i continue to be exposed. the frogs are gone, the trees are dying, and once this grid is fully activated, all will surely die. my cats who slept with me since the day they were born spend most of their time outside now, not that the pulse can be escaped. at first i could leave the immediate area and find relief, but now, all cities connected, no relief to be found. my cats are nervous wrecks and my smallest spends days without coming in to eat. this is one of my pleas for help i have sent out attempting to resolve this. i have since become unable to fight this in any way, as my medicaid doctor acknowledges my symptoms, but knows nothing of the cause and refuses to test for electrophysensitivity, so i have no where else to turn and no one else i havent written to or spoken with and im just to tired and to sick to continue. i feel i have no life left:

To whom it may concern: Pleading for help to stop the pain and suffering. Smart meters are killing me and everything else

in their path. I am disabled, in a subsidized apartment complex with 150+ meters on site. I have 2 on my bedroom wall and 2 more every 20 ft. and a powerful data collector meter on the street corner added in April, tripling my already torturous symptoms when first installed before they turned on the RF. My bones began to ache and become chilled, as if I had a permanent really bad flu, the feeling is awful. My heart began pounding and racing feeling as if I were having a heart attack, all day and night, unless I left the area. After a week, the millions of frogs here and all the crawfish in the creek completely disappeared. The trees started exhibiting cracks in the bark, and started decaying from the inside out. I started getting migraines, 4-5 days out of the week. I couldn't get any rest at all and became extremely fatigued, when I left the immediate area, all symptoms completely disappeared, until now. They installed in all of the adjoining cities. There is no escape, no healing time, no removing yourself from the pulse. Then, they turned on the wireless. Now the pine trees are burning alive, the feeling of dis-ease has tripled. My muscles are contracted 24/7, my neck and back stiff and sore. My ears ring 24 hours a day, my nose bleeds, my ears hurt. The nausea over time becomes so prevalent, I've lost 40 lbs because I just can't eat. I have muscles that twitch for hours on end, headaches that pound for whole weeks straight, and I slur my words when it's really bad. I get no restful sleep. For over a year now, I can't pass out until 3-5am...ever, and I have to drug myself to sleep at all. I don't know where to turn. I don't know where to go. I am losing my memories and brain function. My words become slurred. My cats I've raised for over 3 yrs will no longer sleep with me, as they have done all their lives, and they, and some of the chipmunks outside, are becoming aggressive. The chipmunk I feed is becoming disoriented and appears "drugged". I'm depressed, I have unexplained sense of panic and anxiety 24 hours a day. Cell phones never made me sick before, or Wi-Fi. Now it hurts to use a cell, or be anyplace that has free Wi-Fi. Every agency I've called says I have no choice and they are not liable or responsible. I am desperate for a way to stop these. The lives of myself, and every creature with cells depend on shutting these devices off. And don't fall for their non radio transmitting replacements. Several people have and their health was just as bad, so it's not just the wireless causing this. I am suffering in torture, the trees and life forms here are suffering, and I am at a total loss for what to do. I have tried foiling the meters. It's just not helping. I also tried upping my mineral intake, orgonite, and aluminum screen faraday cage. They aren't even easing the suffering. I don't know what to do. I do not drive, have no friends that drive, and couldn't afford a truck to move, or the expenses, or a location that accepts housing for my 6 cats. There is no area here without these meters, and without transportation I can't go rural, although I would love to. My income is \$674 a month. I am barely surviving and cannot afford to try other devices to help. I'm trying to find a way to save my life, the lives of my now aggressive and agitated cats, and the trees and ecosystem. I get mild relief when out of the residential areas, but I cannot rest there, and cannot go in to most malls and restaurants or libraries now because I have become sensitive to Wi-Fi, and do not wish to further my pain. Lawyers refuse to take on the utility corps, and the police are on the side of the corps. I have filed reports with the Oregon public utility commission, the FTC, the attorney generals office state and federal, the utility company Portland General Electric, the state public health department, the city commissioners office, and my local city council.

I declare under penalty of perjury that the foregoing is true and correct. I have personal knowledge of all facts set forth in this declaration and am competent to testify thereto if called upon to testify in a court of law.

This declaration was executed this thursday ,5 day of April, 2012 at Beaverton,Oregon
signed [REDACTED]

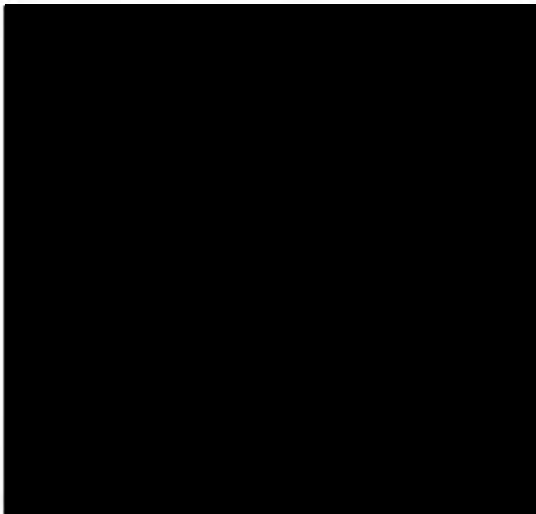
4-5-2012

Smart Meter Health Effects Authorization

I [REDACTED], authorize use of my declaration regarding personal health effects from smart meters previously submitted to Smart Meter Help! or Stop Smart Meters!, to be used in the current smart meter safety investigation before the Maine Public Utilities Commission in the matter of Ed Friedman, et al- MPUC Docket No. 2011-00262.

I further authorize Josh Hart of Stop Smart Meters! to attach my declaration to his testimony in the MPUC proceeding to be submitted by Bruce McGlaufflin, Esq., representing the complainants, Ed Friedman, et al, in that case, with the understanding that my declaration will become part of the public record in that proceeding.

Signed this 22nd day of January, 2013 by:

A large black rectangular redaction box covering the signature area.

Declaration of [REDACTED]

I, [REDACTED] have personal knowledge of all facts set forth in this declaration and am competent to testify thereto if called upon to testify in a court of law. I hereby declare:

My name is [REDACTED] and I reside at [REDACTED]

[REDACTED] I am a utility customer of Pacific Gas and Electric (PG&E) and Sacramento Municipal Utility District (SMUD):

I am writing to you regarding perceived and real health issues related to the SmartMeter that PG&E installed on my home. I do not want any SmartMeter devices installed on my home or property. I have refused to allow the Sacramento Municipal Utility District (SMUD) access to install yet another meter on the back of my house directly outside the bedrooms.

The PG&E SmartMeter was installed in the front of my house on the wall directly outside my living room. I did not grant permission for the installation of the SmartMeter device nor was I asked for consent. Recently, I received information regarding their "opt-out" program and intend to contact them to take avail of it.

Since the installation of SmartMeters in our neighborhood, I have suffered with tinnitus, muscle cramps, sleep disturbance, chronic fatigue, heart palpitations, migraines, blurred vision, and dizziness. I am lucky if I get 4 hours of disrupted sleep a night. When I visit my father in Shasta County who lives in an area where there are no SmartMeters as yet, the tinnitus stops completely. I sleep well and feel much better. I informed my doctor about this at a recent appointment in March, 2012.

I am aware of health concern risks related to the wireless transmissions that the SmartMeters use. Scientific evidence indicates potential harm from sporadic and cumulative exposure. Sensitivity among people varies and many may fail to make the connection of symptoms to these devices. Furthermore, the stated output of these devices has been grossly misleading and false. I do not want these devices on my home or in my neighborhood. I do not want to risk the health of my family from SmartMeter pollution.

I informed SMUD of my disapproval and explained my reasons for refusal of installation of a SmartMeter. At a recent board meeting, SMUD discussed their 'opt-out' program. At this meeting, they discussed intentionally informing only their customers who have so far refused installation of the SmartMeter and not disseminating the information to all customers. They also made improper comments about those who like me feel that there are verifiable health risks involved with this technology. SMUD's *munificent* opt-out is to make it grossly unaffordable to their customers. The fees they discussed for opting out and monthly charges thereafter far exceed what PG&E is offering. One board member actually said that if SMUD customers didn't like it or couldn't afford it, they could move to PG&E territory.

It is perplexing that during this recession and lack of jobs, that this type of program is being allowed. How many jobs are being replaced by these units? I am appalled that the complaints and health risks posed by these devices are not being taken seriously. I want to stop this insane and ill-conceived technology from being promoted and deployed further.

I declare under penalty of perjury that the foregoing is true and correct. I have personal knowledge of all facts set forth in this declaration and am competent to testify thereto if called upon to testify in a court of law.

This declaration was executed this 4th day of April, 2012 at Sacramento, California.

[REDACTED]

April 4, 2012

Smart Meter Health Effects Authorization

I [REDACTED], authorize use of my declaration regarding personal health effects from smart meters previously submitted to Smart Meter Help! or Stop Smart Meters!, to be used in the current smart meter safety investigation before the Maine Public Utilities Commission in the matter of Ed Friedman, et al- MPUC Docket No. 2011-00262.

I further authorize Josh Hart of Stop Smart Meters! to attach my declaration to his testimony in the MPUC proceeding to be submitted by Bruce McGlaflin, Esq., representing the complainants, Ed Friedman, et al, in that case, with the understanding that my declaration will become part of the public record in that proceeding.

Signed this 22nd day of January, 2013 by:

[REDACTED]

Name

[REDACTED]

Street Address

[REDACTED]

City/State/Zip

[REDACTED]

Telephone

[REDACTED]

Email

[REDACTED]

[REDACTED]

Declaration of [REDACTED]

1. My name is [REDACTED], and I reside at [REDACTED] I am [REDACTED] years of age.
2. I am a utility customer of PG&E.
3. the electric meter type (PG&E - Landis Gyr focus - silver spring networks) was installed may 2010 on the outside of the wall of my house 1 foot from a bedroom.
4. I first noticed symptoms in about may 2011 when I moved into the bedroom near the meter from another bedroom in the house. At that time I would sleep about 3 feet from the smartmeter. The symptoms that I noticed were less physical mental energy, more body aches and increased nose bleeding, and episodes of chest pain heart palpitations.
5. When I finally suspected (feb 2012) that the smartmeter's rf electromagnet radiation emission might be making these symptoms worse, I tried moving the bed farther away from the meter and the symptoms seemed to improve.
6. today with the smartmeter replaced by PG&E on march 13 2012 in "opt-out", my symptoms are still better. So I therefore believe that the PG&E - Landis Gyr - Silver Spring Network transmitter rf radiation was harmful to my health.
7. I am worried that the additive excessive radiation from these pg&e electric meters (mesh network) is causing negative health effects to the people in the community.

Thank you very much

This declaration was executed this

2nd day of MAY 2012 at 9:00AM

[REDACTED]

Smart Meter Health Effects Authorization

I _____, authorize use of my declaration regarding personal health effects from smart meters previously submitted to Smart Meter Help! or Stop Smart Meters!, to be used in the current smart meter safety investigation before the Maine Public Utilities Commission in the matter of Ed Friedman, et al- MPUC Docket No. 2011-00262.

I further authorize Josh Hart of Stop Smart Meters! to attach my declaration to his testimony in the MPUC proceeding to be submitted by Bruce McGlaufflin, Esq., representing the complainants, Ed Friedman, et al, in that case, with the understanding that my declaration will become part of the public record in that proceeding.

Signed this 23rd day of January, 2013 by:

Name_

Street Address

City/State/Zip

Telephone_

Email

Declaration of [REDACTED]

I, [REDACTED] have personal knowledge of all facts set forth in this declaration and am competent to testify thereto if called upon to testify in a court of law. I hereby declare:

1. My name is [REDACTED] and I reside at [REDACTED]

2. I am a utility customer of Oncor.

Around October of 2010, a utility serviceman came to our house, telling us that he had come to replace our electrical meter with no further elaboration. Being uninformed about the advanced metering controversy, we gave him permission to do so. Our assumption was that they were changing out older equipment and no more than that.

Almost from the date the meter was installed – if not as of the day it occurred – I began experiencing heightened problems with insomnia. Since then, I have been awaking pretty regularly at 2:30 – 3:30 each morning. This is two or more hours earlier than I want to wake up, and I almost never am able to go back to sleep.

I lodged a protest with the state public utilities commission and Oncor after later being informed as to possible ill effects of such meters and making an association with lost sleep and the approximate time that meter was installed, requesting that ours be removed and replaced with the analog variety. As a result, a representative was sent to our home. While here, he somehow calibrated the meter to its lowest level. (Why this isn't done as a "default" from the beginning is a mystery to me.) Promptly thereafter, I noticed my insomnia problem was mitigated slightly, making me think that the meter was indeed a complicating factor. The relief has been minimal. Instead of being awakened around 2:30 a.m., it is now – say – 2:45 to 3:00 a.m. And this is almost a daily problem.

Nothing is, of course, absolutely predictable. Occasionally, I may sleep until 4:00 or so. However, I also may wake up at 2:00. But the routine has been to regularly wake up around two or more hours earlier than desired, like it or not.

I am aware of many studies that have shown electromagnetic forces to be harmful to sleep (e.g. through the disruption of rapid eye movement phases of sleep, etc.) My long-time personal physician, [REDACTED] of [REDACTED], is also knowledgeable of this phenomenon. He also has informed me that, if needed, he would willingly provide a statement to substantiate my history of sleep problems and its exacerbation due to increased electromagnetic activity in my home.

Sleep debt is a serious condition which can pose many adverse effects to a person's health. And I am coming forward in this manner to hopefully bring about a reversal in the problems I have endured since the meter was installed on my home as well as to forestall potential health issues traceable to this technology.

I declare under penalty of perjury that the foregoing is true and correct. I have personal knowledge of all facts set forth in this declaration and am competent to testify thereto if called upon in a court of law.

This declaration was executed this 9th day of April, 2012, at Keller, Texas.



Smart Meter Health Effects Authorization

I [REDACTED] authorize use of my declaration regarding personal health effects from smart meters previously submitted to Smart Meter Help! or Stop Smart Meters!, to be used in the current smart meter safety investigation before the Maine Public Utilities Commission in the matter of Ed Friedman, et al- MPUC Docket No. 2011-00262.

I further authorize Josh Hart of Stop Smart Meters! to attach my declaration to his testimony in the MPUC proceeding to be submitted by Bruce McGlaflin, Esq., representing the complainants, Ed Friedman, et al, in that case, with the understanding that my declaration will become part of the public record in that proceeding.

Signed this 22 day of January, 2013 by:

Name [REDACTED]

Street Address [REDACTED]

City/State/Zip [REDACTED]

Telephone [REDACTED]

Email [REDACTED]

Declaration of [REDACTED]

I, [REDACTED], have personal knowledge of all facts set forth in this declaration and am competent to testify thereto if called upon to testify in a court of law. I hereby declare:

1. My name is [REDACTED], and I reside at [REDACTED]
[REDACTED]

2. I am a utility customer of Portland General Electric

a.) smartmeters were installed 2010

b.) since installed i am having an incredibly hard time breathing sleeping and with my brain function

c.) i have gained over 200 lbs in 2yrs and am now disabled

d.) i have to breath with a C-PAP machine now and i cant walk more then 20 ft without stopping to catch my breath

e.) january 4, 2010, my father passed away abruptly, i believe from theses meters. i miss him alot

d.) i cannot tolerate much more. please stop this deadly program

e.) i cant remember much more, my memory and thinking processes are now nonfunctional

I declare under penalty of perjury that the foregoing is true and correct. I have personal knowledge of all facts set forth in this declaration and am competent to testify thereto if called upon to testify in a court of law.

This declaration was executed this Friday, 6th day of April, 2012 at Hillsboro, Oregon.
signed, [REDACTED] 4-6-2012

Smart Meter Health Effects Authorization

I _____ authorize use of my declaration regarding personal health effects from smart meters previously submitted to Smart Meter Help! or Stop Smart Meters!, to be used in the current smart meter safety investigation before the Maine Public Utilities Commission in the matter of Ed Friedman, et al- MPUC Docket No. 2011-00262.

I further authorize Josh Hart of Stop Smart Meters! to attach my declaration to his testimony in the MPUC proceeding to be submitted by Bruce McGlaufflin, Esq., representing the complainants, Ed Friedman, et al, in that case, with the understanding that my declaration will become part of the public record in that proceeding.

Signed this 21st day of January, 2013 by: _____

Name _____

Street Address _____

City/State/Zip _____

Telephone _____

Email _____

DECLARATION

I, [REDACTED] have personal knowledge of all facts set forth in this Declaration and am competent to testify thereto if called upon to testify in a court of law. I hereby declare:

1. My name is [REDACTED] and I reside at [REDACTED]
[REDACTED]

2. I am a utility customer of PG&E.

3. In October, 2009, I suffered a severe electrical shock to my head while using a cell phone plugged into an electrical wall socket in my home. Since then, I've suffered from chronic nerve pain, headache, heart palpitations, insomnia and other symptoms when in proximity to wireless devices, including wireless Smart Meters, fluorescent lighting, and many electrical appliances.

4. In January, 2010, I contacted PG&E through its website requesting an opt-out from the Smart Meter program due to health reasons. My request was rejected.

5. On or about March 20, 2010, I filed Complaint No. 28145 with PG&E and was put on the "Last to Install List" due to health reasons.

6. In and around August 31, 2010, PG&E's subcontractor Wellington Energy installed electric and gas Smart Meters throughout my neighborhood in Santa Rosa. I refused installation.

7. Since deployment of Smart Meters in my neighborhood in late August, 2010, my symptoms of electrosensitivity have worsened, and I have lost the use of portions of my home and property because I must avoid proximity to neighborhood wireless Smart Meters.

I declare under penalty of perjury that the foregoing is true and correct. I have personal knowledge of all facts set forth in this Declaration and am competent to testify thereto if called upon to testify in a court of law.

This Declaration was executed this 7th day of April, 2012, at Santa Rosa, California.

[REDACTED]

Smart Meter Health Effects Authorization

I [REDACTED], authorize use of my declaration regarding personal health effects from smart meters previously submitted to Smart Meter Help! or Stop Smart Meters!, to be used in the current smart meter safety investigation before the Maine Public Utilities Commission in the matter of Ed Friedman, et al- MPUC Docket No. 2011-00262.

I further authorize Josh Hart of Stop Smart Meters! to attach my declaration to his testimony in the MPUC proceeding to be submitted by Bruce McGlaufflin, Esq., representing the complainants, Ed Friedman, et al, in that case, with the understanding that my declaration will become part of the public record in that proceeding.

Signed this 19th day of January, 2013 by:

Name [REDACTED]

Street Address [REDACTED]

City/State/Zip [REDACTED]

Telephone [REDACTED]

Email [REDACTED]

[REDACTED] 1/19/13

Declaration of [REDACTED]

I, [REDACTED] have personal knowledge of all facts set forth in this declaration and am competent to testify thereto if called upon to testify in a court of law. I hereby declare:

1. My name is [REDACTED] and I reside at [REDACTED]
2. I am a utility customer of SDG&E.
 1. I moved into the above-named address April 2011 to care for my 91 year old husband with Parkinson's, my 88 year old mother, and my 91 year old father.
 2. Shortly after moving in, we noticed a rapid decline in our health. I would come home from work, and my husband, who is confined to one room, one chair, would beg me to get him out of the room, that he kept getting buzzing and shocks.
 3. We both noticed we couldn't sleep. Night after night we lay awake most of the night.
 4. I had previous health issues (MS), but they were all completely under control. Yet suddenly, all hell broke loose. I was suffering depression, irritability, inability to sleep and more. My husband complained night and day of the same things.
 5. Then sometime during the month of May our son came to remove some blinds on the windows. He offered to unstick the windows which had been stuck closed for years. When he did he poked his head out and declared, "Oh! There's your electric meter".
 6. It was like a huge lightbulb had been lit. We were sleeping right under a "smart meter", which we'd heard about, but had no idea was there. Our bodies were literally inches from the meter.
 7. Shortly thereafter we hired someone to change it back to an analog, and *peace* was restored. All the irritability, the depression, the inability to sleep, shocks, buzzing - *gone*.
 8. Recently the electric company has come and put "their" analog on (after asking if they could - but I was at work, and my 88 year old mother didn't know what to do). We're skeptical. We're pray they didn't figure out a way to make a smart meter merely *look* like an analog.

I declare under penalty of perjury that the foregoing is true and correct. I have personal knowledge of all facts set forth in this declaration and am competent to testify thereto if called upon to testify in a court of law.

This declaration was executed this 4th day of April, 2012 at San Clemente, California.

[REDACTED]

Re: Maine Public Utilities Commission

<https://webmail.lycos.com/wm2/driver?nimlet=getemail&action=print&fid=INBOX&mid=12...>

Print

subject: Re: Maine Public Utilities Commission
from: Joshua Hart <joshuahart@baymoon.com>
date: Tue, Jan 29 2013 at 8:09 PM
to: [REDACTED]

Hi [REDACTED]

If you could print out the below text, fill it out, sign it, scan it, and send it back to me by e-mail that would be great. If you could do this asap, we'll get it included in our packet.

Thanks [REDACTED] I will get in touch with someone who can come interview you.

Josh

Smart Meter Health Effects Authorization

I, [REDACTED], authorize use of my declaration regarding personal health effects from smart meters previously submitted to Smart Meter Help! or Stop Smart Meters!, to be used in the current smart meter safety investigation before the Maine Public Utilities Commission in the matter of Ed Friedman, et al- MPUC Docket No. 2011-00262.

I further authorize Josh Hart of Stop Smart Meters! to attach my declaration to his testimony in the MPUC proceeding to be submitted by Bruce McGlaufflin, Esq., representing the complainants, Ed Friedman, et al, in that case, with the understanding that my declaration will become part of the public record in that proceeding.

Signed this 29 day of January, 2013 by:

Name [REDACTED]

Street Address [REDACTED]

City/State/Zip [REDACTED]

Telephone [REDACTED]