

APPENDIX B

Summaries of Citizen and Lay Testimony Submitted

I. Maine Lay Witness Testimony (All sworn testimony)

Julie Tupper – Scarborough, ME

- Claims to be EMF and RF sensitive to the point of daily discomfort in most public places
- Symptoms: heart palpitations, headache, dizziness, falling eyesight when around meters, body aches, restlessness, interrupted sleep, forgetfulness and shakiness
- Cannot work in an office due to wifi, cell phone, and smart meter proximity
- Is in pain when around iPhones and iPads, iPads make her dizzy and nauseated
- EMF from laptops causes arthritic-like joint pain
- Sensitive to cell towers, pain within ¼ mile of a tower
- Sensitive to wireless units in cars, busses, and planes, including her 2008 VW Passat, but not in her 2001 VW Beetle
- Must have manual pat-down at airport security
- No wireless in home, checks cell phone using speaker only
- Treated by Acupuncture Associates, Yarmouth; Integrated Manual Therapy Associates, Falmouth;
- Treated by Thea Fournier, Certified Nutritionist, N. Andover, MA
- All practitioners have recommended that she keep away from all devices that cause symptoms

Cynthia Krouse – North Yarmouth, ME

- Since smart meter installation has experienced decline in health
- Symptoms: headaches, fatigue, ringing in the ears, face numbness, tingling, burning of the head and face, anxiety, dizziness, nausea, weakness, muscle pain, joint pain, aching teeth
- Has developed a sensitivity to all wifi since smart meter installation
- Has developed fibromyalgia and fatigue since smart meter installation
- Is now hypersensitive and unable to work
- Has sought out and located a few doctors knowledgeable in the area of EMF/RF and all have diagnosed her with EMF Hypersensitivity and allergic reactions to electromagnetic radiation
- All doctors have recommended omitting the smart meter and avoiding wireless devices
- Currently engaged in a medical treatment protocol for EMF patients

Jack and Deborah Heffernan

- Ms. Heffernan has suffered from major health issues for past 14 years: two heart attacks, dissection of two arteries, emergency bypass surgery, ventricular tachycardia, heart transplant
- Doctors at Mass General told them that the smart meter is not without risk due to Ms. Heffernan's medical condition and impaired immune system
- Do not use cell phones except when travelling to Mass General
- After smart meter installation, Ms. Heffernan experienced dizziness and more fatigue than usual; symptoms abated after removal of smart meter

Donald Yeskoo – Wells, ME

- Wife diagnosed in 1983 with a brain tumor
- Does not want to risk any complications caused by radio waves from smart meters
- Remembers a story from many years ago about the effects of early warning radar systems on livestock

Leith Smith – Searsmont, ME

- Experienced sleep disruptions after smart meter installation, so did dog
- After removal, sleep returned to normal for both people and dog
- Aware of potential negative health effects of EMF
- Never notified health care provider

Janice Robbins – Hiram, ME

- Believes that electromagnetic radiation is dangerous to her health
- Has had cancer in the past and does not want to take any risks
- Has read articles that have convinced her of the potential risks from exposure to radio frequency radiation like smart meters
- Owns a microwave but rarely uses, uses cell phone infrequently, does not own a computer
- Suffers anxiety from the fear CMP will shut off her power for failure to pay the opt-out fee

Suzanne and Norman Renaud – Lewiston, ME

- Both Ms Renaud and daughter have an illness which affects their immune systems and has caused them to become electromagnetically sensitive
- Symptoms: insomnia, heart palpitations, extreme jitteriness, dizziness, nausea, digestive problems, bloating and swelling around rib cage, vertigo
- Symptoms result from use of computers, cell phones, speakers, x-rays, CT scans, MRIs
- Epstein-Barr virus symptoms were nonexistent before smart meter installation
- Neighbor with MS experienced an increase in symptoms after smart meter installation
- No medical treatment for RF or any medical diagnosis associated with RF

Paul Kroll – Yarmouth, ME

- Slowly over time noticed an impact from smart meter
- Symptoms: dizziness, fatigue, inability to focus, impact on sleep
- Felt relief from symptoms when smart meter removed
- Was diagnosed with a brain injury and had to retire early because of it
 - Implication is that brain injury occurred before smart meter installation
- Very sensitive to EMF, chemicals and other environmental factors
- Cannot wear hats or sunglasses due to impact on cognitive focus and endurance
- Impact from smart meter greater than other wireless devices
- Has not sought medical treatment for smart meter symptoms

Yonel Holland and Donna Delano

- Holland: Fiancé experienced headaches from April 2012 (smart meter installed in Feb. 2012) until emergency surgery to remove a glioblastoma tumor from brain
- Holland: Smart meter was three feet from fiancé's regular chair
- Delano: smart meter could have caused her death
- Not sure if smart meter was actual cause of the tumor
- No discussion with medical providers
- Headaches ended when smart meter removed
- Loss of memory, confusion, and headaches after smart meter installation

Laura Hannan – Scarborough, ME

- Concerned about smart meters, but concerns are not based on any diagnosed physical or medical conditions
- Concerned exposure to radiofrequency radiation over time could result in becoming sensitive
- Does not let daughter attend primary school that has wifi
- Chooses not to work in an office with wifi
- Experiences occasional dizziness when on a cell phone and insomnia when in the presence of wifi
- Has no wireless in home, avoids public places with wifi
- Also concerned about data security

Ray Giroux – Portland, ME

- Experienced gradually diminished energy and increase in headaches since smart meter installation
- Seldom uses computer, microwave, or cordless/cell phones
- No mention of a medical diagnosis or treatment for symptoms

Guillermo Diaz – Winterport, ME

- Wife developed acute hypersensitivity to smart meter
- Symptoms began with ringing in ears while watching television
- Eventually became unable to sleep well
- Mr. Diaz experienced ringing and pressure in both ears, had an inability to sleep for days and weeks, lost 11 pounds all after smart meter removed
- Wife has tingling and burning in both hands, hands and fingertips turn red or become covered in red blotches, suffers heart palpitations, has lost 10 pounds
- Wife also has Lyme Disease
- Symptoms became worse when smart meter was removed
- Believe symptoms caused by neighbor's meter
- Have covered entire living room with two layers of grounded aluminum and a 4'x8' sheet of corrugated metal outside the window which is also covered with grounded aluminum
- Symptoms worse during periods of clouds and rain
- Doctor did not diagnose smart meter issues
- Have received acupuncture treatments with acupuncturist recognizing the seriousness of their conditions, acupuncturist stated symptoms similar to acute toxicity
- Acupuncturist recommended minimizing time in the home and to stay out of toxic RF environment

Nancy Burns – Windham, ME

- Highly sensitive to EMF and other environmental toxins and allergens
- Had severe attack while in proximity of smart meter: vertigo, seizures, muscle paralysis, mental confusion, paranoia, headaches, back and leg pain, chest pain, blurred vision, rashes, panic attacks
- Does not use wifi or cell or cordless phones, limits use of microwave oven, TV, computer, and x-rays
- All conditions respond well to acupuncture, which she receives twice a week
- Symptoms improved after removal of smart meter

Marian Budzyna – Limerick, ME

- Licensed HAM radio operator
- Has made efforts to reduce exposure to RF for several years
- Does not use a cell phone, has no wifi in home, has taken measures to reduce dirty electricity, has remained minimally involved in HAM radio as a hobby
- Symptoms "The Hum" and physical vibrations in body, feelings of disorientation near florescent lights and operating fans, occasional heart palpitations, disturbed sleep
- Has not consulted a physician regarding EMF exposure because physicians are not trained in acoustics or radio frequencies
- Does not have a smart meter

Carol L. Brust – Brunswick, ME

- Symptoms: ringing in ears, racing pulse, severe headaches, only 3-4 hours sleep a night
- Had smart meter removed, believes symptoms caused by neighbor's smart meter
- Does not use cell phone, gets dizzy, unsteady around them
- Called doctor, doctor was unable to help, told her to move
- Has lost hearing in left ear because of smart meter
- Knows smart meters are the cause because she went to visit a friend in upstate New York and the ringing in her ears stopped

Autumn Brook – Bowdoin, ME

- Smart meters caused her to become physically sick
- Elderly family member died under unusual circumstances
- Son had rapid heartbeat and tightening in chest
- Smart meter aggravated elderly family member's Alzheimer's, died of brain bleeding caused by RF
- She developed insomnia, headaches, rapid pulse, dizziness, ringing in ears, vertigo, tingling and numbness in hands and feet after smart meter installation
- Mother-in-law developed digestive issues and insomnia, unexpectedly died of massive brain bleed
- Ms. Brook's heart condition worsened
- Has not consulted with doctor
- Symptoms reduced within two weeks of smart meter removal
- Current physician has ordered cardiac testing

Jeffrey Edelstein – E. Waterboro, ME

- Experienced adverse reaction to smart meter at location other than his home (another private residence): vertigo and tightness in throat
- Experience same symptoms when using cell phone at that location; has never experienced symptoms in other places
- Does experience headache after long cell phone calls and tingling and tightening of throat
- Does not generally use microwave ovens or cordless phones
- Has not contacted a physician regarding symptoms

Maine Public Witness Hearing Testimony (sworn)

Joyce Flanagan

- Testified that physicians have recommended that she not have a smart meter
- Stays away from as much EMF as possible

Kate MacKay

- Testified, both orally and in writing, that she opted out because she believes that smart meters are harmful to her health

Kristin Salvatore

- Testified, both orally and in writing, that she opted out due to concern about adverse health issues associated with smart meters

Norm Renaud

- Also included above in sworn Lay Witness testimony
- In oral public witness hearing testimony, described flu-like symptoms, nausea, dizziness, cognitive disabilities he ascribes to smart meters

Out-of-State Witness Testimony (Sworn)

Dafna Tachover – East Jewett, NY

- RF causes heart palpitations, chest pain, breathing difficulty, throat tightness, electric shock sensation in brain, intense pressure in head, cognitive impairment, intense neck pressure, sharp pain in ears, jumping eyes, eye pressure, tingling in feet and hands, severe weakness, memory problems, dizziness, nausea, inability to sleep
- Diagnosed with Hyperthyroidism and Electromagnetic Hyper Sensitivity
- Doctor recommended complete avoidance of exposure to EMF and RF
- Includes signed treatment recommendations by William J. Meggs, MD, PhD, FACMT

Jeromy Johnson – San Francisco, CA

- He and wife experienced headaches, disturbed sleep, fatigue, and tinnitus after SM installation
- Wife is medical doctor and holistic physician (no mention of credentials)
- Have spent thousands of dollars on alternative therapies because allopathic medicine does not know how to treat condition
- Received letter from Kaiser Permanente physician to give to utility to have SM removed
 - Mark Jung Chen MD
 - SM technology cannot be ruled out as a potential cause for symptoms
 - Not unreasonable to honor patient's request for SM removal to see if patient feels better
 - Second letter
 - Symptoms subsided after SM removal
 - Has symptoms when in homes with SMs
 - Patient appears to be part of the 3-5% of Californians who have become sensitive to wireless technologies
 - Recommends no SM in home
 - Analog meters are safest technology for patient

Cynthia Edwards – Ann Arbor, MI

- Testimony from Michigan PSC Smart Meter Case
- Testimony rejected by MPSC
- Has compromised immune and digestive system, irregular heartbeat, fatigue and sleep issues, also hypothyroidism (all not SM related)
- Doctor said it would not be safe to have SM on house
 - Doctor not identified, no medical documentation attached
- Above symptoms have worsened since SM installation

Donna Bervinchak – Lancaster, PA

- Had SM when living in CA
- SM made him unable to function or perform job
- Extreme pressure headache, shortness of breath, heart palpitations, trouble breathing, couldn't sleep, eat, or drink normally, broke out in hives, became extremely emotional, face numbness, lump in throat
- Doctor recommended he stay away from SM

Karen Strode – Ypsilanti, MI

- Testimony from Michigan PSC Smart Meter Case
- Testimony rejected by MPSC
- Diagnosed with EMF sensitivity
 - Gerald Natzke, D.O.
- Suffered from TMJ
- Lost singing voice
- Body aches
- Food allergies
- Visual impairment called vertical heterophoria that could have stemmed from being kicked in the head by a horse
- Facial tingling and burning and neck pain and throat clamping when in proximity to wifi and fluorescent lighting
- Nausea headache and malaise from smart meter
- Symptoms have been increasing in severity
- Doctors notations attached

Matthew Ben-Bassat – Dexter, MI

- Intense ringing in ears, agitated after smart meter installed
- Almost complete sleeplessness, intense insomnia, electrical shooting pains through different parts of the body, extreme nausea
- The further away from smart meters the better he feels
- Inside home a strong dull pressure at his occiput, wrapping around to the temple on left side of head, mood fluctuations
- Crushing excruciating pain in forearms when walking by banks of smart meters neck artery pulses and swells, numbness in fingers and toes, intense pain in heel and Achilles

Calista Woodbridge – Johns Island, SC

- Not long after smart meter installed had flu-like symptoms, fever, body aches, swollen and painful joints
- Spent six months lying in bed
- Rash all over torso and arms
- Headaches
- Constantly sick with colds and flu
- Developed extreme intolerance to chemicals
- Intestinal cramping, nausea, and fatigue from working on computer
- Early menopause
- Diagnosed with Toxic Encephalopathy and Neurologic EMF Related Encephalopathy
- Searing pain in brain if approached wi-fi router
- Doctor notes and prescriptions mentioned in testimony but not attached

Leslie Panzica-Glapa – Dexter, MI

- Problems sleeping after smart meter installed
- Vibrations throughout body, ringing in ears
- Diagnosed with hyperthyroidism prior to smart meter installation
- Also agitated when using cell phone

Rebecca Morr – Ann Arbor, MI

- Felt uncomfortable vibration in body after SM installed, buzzing sound in head
- Developed headaches
- Elevated blood pressure
- Symptoms did not go away when SM replaced with non-transmitting digital meter
- Lined walls with tinfoil and EMF shielding ordered off internet
- Received letter from doctor asking utility to remove SM

Cynthia Sue Larson – Berkeley, CA

- Nosebleeds after SM installation
- Also dizzy, ringing in ears, blurred vision, migraines, muscle spasms
- No mention of medical diagnosis or consultation with medical professional

Linda Kurtz – Ann Arbor, MI

- Experiences sleeplessness at parents' house in AZ
- Parents have SM
- Feels the wireless in airports
- SM in her home caused insomnia, heart palpitations, cognitive dysfunction, anxiety, head pressure, body pressure, headaches and incipient migraines, tinnitus
- No mention of diagnosis or medical consultation

Michele Hertz – Hastings on Hudson, NY

- After SM installation experienced sporadic and unusual heart palpitations, high pitched piercing sound in ear, painful pressure in ears, buzzing-pulsing sound, extreme agitation, interrupted sleep with nightmares of being attacked, increase in size of mole on back, jaw and teeth pain, pause in menstruation
- After SM removed immediate improvement, mole bled, dried up, and fell off, menstruation resumed but still not normal
- Doctor recommended not having SM and provided letters for utilities

Christine Felicijan – Orange, CA

- Mother has smart meter
- Has intense headaches, trouble sleeping and heard constant buzzing/humming sounds while at mother's house
- Also has symptoms because of SM in her neighborhood (she opts-out)
- Diagnosed with COPD and peripheral neuropathy

Richard Conrad – Waianae, HI

- Began to experience EHS symptoms 15 years ago when working with a data projector
- Experiences dizziness, skin burning, stiffness and pain, body aches, tinnitus, ADD, distorted hearing, peripheral neuropathy, chest pains, muscle cramping
- No mention of diagnosis or medical consultation

Health Care Provider Testimony –Unsworn attachments to Lay Witness testimony¹

Frank Gentile, Physical Therapist (Julie Tupper)

- Has observed that when his cell phone is on the treatment room during Ms. Tupper's therapy, she experiences an increase in muscle spasm activity and a decrease in range of motion. Removal of cell phone from treatment room resolves these symptoms

Thea Fournier, Certified Nutritionist (Julie Tupper)

- Sees clients from all over New England and the United States who have become highly reactive to environmental chemicals
- In the past 7 years has seen an increase in people who are extremely sensitive to the effects of wireless technology
- Recommended Ms. Tupper remove all wireless technology from her home, result was that joint/bone discomfort went away; symptoms returned, along with heart palpitations, nausea, interrupted sleep, eye pressure, hormonal changes, and headaches when smart meters installed in neighborhood
- Diagnosis of extreme sensitivity to EMF and microwave RF

Vicki Cohn Pollard, Acupuncturist (Bonnie and Guillermo Diaz)

- Acupuncture has ameliorated EMF related symptoms
- Treating Diazs for depleted pulse and low Qi energy
- Believes condition is directly stimulated by the high level EMFs encountered at home

¹ Because the letters, notes and recommendations of the health care providers are authenticated for purposes of this proceeding in the submitted testimony, Commissioner Littell would treat the health care provider information as supporting the credibility of the submitted and sworn lay testimony, noting, however, that the health care providers are neither medical doctors nor medical practitioners who can prescribe treatment.

Maureen Tsao, Acupuncturist (Nancy Burns)

- Ms. Burns has extreme sensitivity to the electromagnetic frequency of smart meters
- Has responded to treatment with moderate success but still sensitive and symptomatic when in proximity to smart meters
- Symptoms include dizziness, nausea, disorientation, ever, joint pain, vertigo

Out of State Medical Practitioners – Unsworn attachments to Lay Witness testimony²

William J. Meggs, MD, PhD, FACMT

- Professor, Brody School of Medicine, Greenville NC
- Licensed in NC
- Treating Physician for Dafna Tachover
 - Disability: Electromagnetic Field Sensitivity

Mark Jung Chen, MD

- The Permanente Medical Group, Inc.
- San Francisco, CA
- Treating physician for Jeromy Johnson

Toril H. Jelter, MD FAAP

- Diablo Integrated Wellness, Inc.
- Walnut Creek, CA
- Treating physician for Jeromy Johnson
 - Diagnosis: Electromagnetic Hypersensitivity

² Because the medical letters, notes and recommendations are authenticated for purposes of this proceeding in the submitted testimony, Commissioner Littell would treat the medical practitioner information as supporting the credibility of the submitted and sworn lay testimony.

Maine Public Comments (unsworn unless noted)³

Sean McCloy, M.D., MPH – Investigative Health Center of Maine (*submitted as a public comment and not as an attachment to testimony or on behalf on any particular patient)

- He sees previously healthy patients who are suffering various new medical conditions after installation of smart meters
- Majority were not aware that smart meter had been installed prior to onset of symptoms
- Recommends Commission familiarize itself with the precautionary principle

Tim Carlson

- Family having issues with insomnia, headaches, and diabetes beginning after CMP installed smart meter

Deborah Oliver (sworn)

- Does not have wifi, cordless phone, only have cell for emergencies
- Noticed loud annoying hum inside and outside house preventing them from falling asleep; continued for two weeks; began right after smart meter installation in neighborhood
- Do not have, and have not ever had, a smart meter on their house
- Body has undergone subtle changes since smart meter installation

Edward and Theresa Pimental

- Began having pain in chest after smart meter installation
- Doctor did not find any heart problem
- Had meter removed for health reasons

Clare Zall

- Son began experiencing crushing headaches and sleep disturbance when smart meter installed; Author of comment experienced same symptoms shortly after
- Doctor said to try removing the meter
- No issues since meter removal

Carolyn Mathews

- Had meter removed for health reasons

³ The Commission's consideration of unsworn public statements has been the subject of recent Legislative inquiry. Consistent with the Commission's indications to the Legislature on how the Commission handles such public statements, Commissioner Littell would note these unsworn statements while not relying upon them in any way as evidence in his decision.

Norma Moore

- Smart meter caused pain in finger joints
- Pain gone when smart meter removed