

Subject: Additional signatures requesting the PUD maintain analog meters

From:

Date: Sun, June 04, 2017 10:59 pm

To: r.smith@chelanpud.org, garry.arseneault@chelanpud.org,
dennisbolz@chelanpud.org, ann.congdon@chelanpud.org,
steve.mckenna@chelanpud.org, suzanne.hartman@chelanpud.org

Dear Commissioners,


After only 4 days of connecting directly with members of our community, we have been able to discuss the Smart Meter issue with a considerable number of people. Not all were ready to sign the petition on the spot as they felt they needed to do more research, which we certainly appreciate. Our goal was simply to bring awareness of the issue.

Over 200 personal signatures were acquired as well as 66 on-line signatures. We feel this is a significant indication, considering the amount of time given, that the community is not willing to be complacent nor ready to accept this technology without further studies.

The signature lists and comments are attached.

Best Regards,
Suzan Keller

Urge our Chelan PUD Commissioners to maintain the current analog electrical meter system.
 Based on the documented serious health and safety issues and possible security concerns --
 we say NO to the proposed 'Advanced' (Smart) Meter installation in Chelan County.

Name (printed)	Address	Phone or email	Signature
EDWARD MAHER	720 BOX 384 1/2 E 8th ST WATKINS ROAD,	(509) 687-1429	
Madonna Hunsbuck-Carlson	PO BOX 3089 Chelan	509-740-5705	Madonna Carlson
Phil Gordon - Fournier	PO BOX 705 Cooper Blvd	(509) 860-3536	509 860-5273 Janet
Janet Gordon - Fournier	"	"	"
Lily Gembala	384 E Warden Lk Road	509-470-5781	Lily Gembala
Lacey Bond	1235 Greens Landing Rd	509-860-7637	C Bond
Sarah Poppe	1235 Greens Landing Rd	509-421-0589	Sarah
JOAN KALLHAN	2106 E. Manson Hwy	689-3764	Joan Kallhan
Ernie Janet	385-1 Hight Lane	682-5977	Ernie Janet
Troy Janet	" "	682-5977	Troy Janet
Marisa Janet	" "	682-5977	Marisa Janet
WAYNE BIRD	309 ETRIDDALE	682-4758	Wayne Bird

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<u>Name (printed)</u>	<u>Address</u>	<u>Phone or email</u>	<u>Signature</u>
LEWIS CLARK	146 LONG DR	CHLAN	CLARK LEWIS
Connie Fairley	85 Grandview Ln	conniefairley@gmail.com	Connie Fairley
Ronald J. Fagin	4128 Sunnybank Dr.	Donaldf@fagin	Donaldf Fagin
Ronald Mallett	125 Northshore Dr.	ronmallett	Ronald Mallett
John DeLeonard	300 E Iowa Ave	HowDeLeonard	HowDeLeonard
Carol Smith	255 East Coe Rd	Carol Smith	Carol Smith
Vivian Mannon	25191 Green Tree Rd	Chelan Mannon	Chelan Mannon
Arnold Emma	PO Box 1496	Arnold Emma	Arnold Emma
Shannon Ramey	PO Box 2032	Shannon Ramey	Shannon Ramey
Keith Little	PO Box 581	Manson	Keith Little
Cindy Rasmussen	PO Box 2551	Chelan WA 98816	Cindy Rasmussen
RICHARD MANN	112 LAKE SHORE RD #10		RICHARD MANN
Lathen W. Staveskie	253 Westland Ln	KStaveskie@aol.com	Lathen W. Staveskie
Debbie	22 Miller Rd	Debbie	Debbie
Jamie Jones	471 N Midline Rd	Manson	Jamie Jones
KATHY JO PORTER	PO Box 186	CHLAN WA	KATHY JO PORTER
Justin Kidulson	324 W. Campbell Ave	Justin Kidulson	Justin Kidulson
NEP Verellen	431043		NEP Verellen

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Name (printed)

Address

Phone or email

Signature

JAMES RUMBLE	3900 US 97 ALT	508-200-1500	James Rumble
JOHN WHEELER	11686 S Shore Rd	679 4069	John Wheeler
Jeri LARSEN	1115 S. Lake Street	888-860-8381	Jeri Larsen
Richard Bossett	968 Eagle Creek Rd	206 681 7541	Richard Bossett
Marilyn Johnson	P.O. Box 357	509-898-0267	Marilyn Johnson
Wendy Baker	P.O. Box 2344	Chelan 98817	Wendy Baker
Marlene Payne	P.O. Box 546	7 Manson	Marlene Payne
Wendy Olsen	P.O. Box 2189	Chelan 98817	Wendy Olsen
Judy Peterson	1430 Loop Ave	Manson Washington	Judy Peterson
Thomas B. Fair	311 Sayles Ave	Chelan 98817	Thomas B. Fair
Rebecca Word	P.O. Box 848	Chelan 98817	Rebecca Word
Wendy Appleby	P.O. Box 2762	Chelan 98817	Wendy Appleby
Mark Evans	P.O. Box 2260	Chelan 98817	Mark Evans
Harold Carlson	310 Minneapolis	Chelan 98817	Harold Carlson
Dan Hunter	215 W Allen	Chelan 98817	Dan Hunter
Janet Hunter	140 Howard Rd	Chelan 98817	Janet Hunter
Louise Hunter	970 Byrd Rd	Chelan 98817	Louise Hunter
Chris Dargatzis	416 3rd St	Chelan Falls 98817	Chris Dargatzis

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Address

Phone or email

Signature

Tammi Larson

313 S. First St.

shearjoy@gmail.com

Tammi Larson

Dan Krohl

483 N. Wilson St

Kangak13@gmail.com

Dan Krohl

Dave Koenig

208 E Woodin

Dave.koenig@aol.com

Dave Koenig

Hannah Harris

205 Village Dr

hannah-elladaun@hotmail.com

Hannah Harris

Roni Mayberry

3400 US 97A

rsmayberry@comcast.net

Roni Mayberry

Richard Kreis

52 Apple Acres Rd

A/C

Richard Kreis

Margie Flick

80 Box 367

margieflick2@hotmail.com

Margie Flick

Dana Mayne

3794 Hwy 97A

PJN198816@nwi.net

Dana Mayne

Trey Hernandez

P.O. Box 33 Aldenla

trayh@comcast.net

Trey Hernandez

MIKE SCHRAM

PO Box 545

CAELAN

MIKE SCHRAM

James Massett

P.O. Box 1412

Chelan

James Massett

Doreen Hendricks

P.O. Box 931

Chelan

Doreen Hendricks

FERRI KENNEL

P.O. Box 2157

Chelan

FERRI KENNEL

Andrea Pearl

PO Box 2311

andrea@chelanmail.com

Andrea Pearl

Donna Adams

PO Box 2913

donnad@live.com

Donna Adams

Lee Marshall

PO Box 1881

Chelan

Lee Marshall

Wanda Foster

PO Box 3713

Chelan

Wanda Foster

Shelly Ward

PO Box 1177

Chelan

Shelly Ward

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Name (printed)

Address

Phone or email

Signature

Jim Storins 205 Eldorado Way -

Jim Storins

Elkathronur 500 Chelan Ranch Road gmacaw13132@gmail.com

GEORGE & DORA ASTLER 434 N WILSON 560 PO BOX 2825 CHELAN WA 98816-2825 ~~Ray Hether~~

Carolyn Enino PO Box 1495 Chelan, WA Carolyn Enino

Bonnie Campbell PO Box 1404 Chelan ~~blaw~~

Scott Wilcox PO Box 1614 Chelan WA ~~SCOTT WILCOX~~

Guemari Diaz PO Box 595 Chelan WA 98816 ~~Guemari Diaz~~

Kelly Rolan 332 E. NIXON CHELAN WA 98816 Kelly Rolan

Roger Rolan 332 E. Nixon Chelan WA 98816 ~~Roger Rolan~~

RAYMOND J FREDERIE 434 S. LAKE ST ^{UPR} APT 98816 ~~Raymond J Frederie~~

Jeannette Steiner 510 Cedar St #202 Chelan WA 98816 Jeannette Steiner

Emily Webb Emily Webb 471 N. Maddine Rd Mary 98831 ~~Emily Webb~~

Monica Mann 123 Madisen W Chelan WA 98816

<u>Name</u>	<u>City</u>	<u>State</u>	<u>Postal Code</u>	<u>Signed On</u>
Suzan Keller	Chelan	WA		5/27/2017
leeanne inda	Chelan	WA	98816	5/27/2017
Cassie Worley	Chelan	WA	98816	5/27/2017
Magnolia Polley	Chelan	WA	98816	5/27/2017
Nathan Lamkin	Wenatchee	WA	98816	5/27/2017
Ann Klapstein	Manson	WA	98831	5/27/2017
Jennifer Nelmidia	Chelan	WA	98816	5/27/2017
Crystal Mojica	Renton	WA	98057	5/27/2017
Marissa Magee	Wenatchee	WA	98801	5/27/2017
BeverLi At Spirals	Chelan	WA	98802	5/27/2017
katherine Toevs	Miami	WA	33162	5/27/2017
Marianne Lewman	Manson	WA	98831	5/27/2017
Leanne Uttech	Chelan	WA	98816	5/27/2017
Charlene Mathews	Chelan	WA	98816	5/27/2017
Alex Thompson	Chelan	WA	98816	5/27/2017
Bobbi Rodriguez	Chelan	WA	98816	5/27/2017
Anna Blanchard	Poulsbo	WA	98370	5/28/2017
Pam Kalian	Chelan	WA	98816	5/28/2017
Gary Thompson	Chelan	WA	98816	5/28/2017
Scott Beaton	Chelan	WA	98816	5/28/2017
Judy Malmberg	Wenatchee	WA	98801	5/28/2017
Jenna Navin	Wenatchee	WA	98801	5/28/2017
Terri L Emery	Wenatchee	WA	98801	5/28/2017
Michael Liles	Wenatchee	WA	98801	5/28/2017
Olivia De La Cruz	Maple Valley	WA	98038	5/29/2017
Robyn Casal	Chelan	WA	98816	5/29/2017
CherylAnn Crego	Chelan	WA	98816	5/29/2017
Tereasa Hernandez	Chelan	WA	98816	5/29/2017
Diane DeFord	East Wenatchee	WA	98802	5/29/2017
Jessica Van Epps	Wenatchee	WA	98801	5/29/2017
Jerrilyn Delaney	Leavenworth	WA	98826	5/29/2017
Sara Hasslinger	Chelan	WA	98816	5/29/2017
Lukas Sztab	Chelan	WA	98816	5/29/2017
Sabrina R	Wenatchee	WA	98801	5/29/2017
Tammy Lee Hauge	Wenatchee	WA	98801	5/29/2017
Emily Bebber	East Wenatchee	WA	98802	5/29/2017
Terrisa Sweeney	Kennewick	WA	99336	5/29/2017
Lynn Yowell	Chelan	WA	98816	5/29/2017
Michael Keller	Chelan	WA	98816	5/29/2017
Lisa Marchi	Chelan	WA	98816	5/29/2017
Kathy Jo Blue	Manson	WA	98831	5/29/2017
Laura Folsom	Chelan	WA	98816	5/29/2017
Duane Gauthun	Chelan	WA	98816	5/29/2017
Sandra Richards	New Orleans	WA	70142	5/30/2017
Liz Tanke	Chelan	WA	98816	5/30/2017

Jose Inda	Chelan	WA	98816	5/30/2017
Theresa Lamay	Chelan	WA	98816	5/30/2017
Linda Miner	Cashmere	WA	98815	5/30/2017
Chandra Villano	Youngstown	WA	44514	5/30/2017
Barbara Korando	Wenatchee	WA	98801	5/30/2017
Amaryllis Gleim	Chelan	WA	98816	5/30/2017
Candace Farnsworth	Wenatchee	WA	98801	5/31/2017
Teresa Farrell	Chelan	WA	98816	5/31/2017
Ben Barnes	Manson	WA	98831	5/31/2017
Janice Parsons	East Wenatchee	WA	98802	6/1/2017
Barbara Tomlinson	Seattle	WA	98102	6/1/2017
Jessie Liles	Chelan	WA	98816	6/2/2017
Roxanne Giffin	Manson	WA	98831	6/3/2017
Sandi Bammer	Wenatchee	WA	98801	6/3/2017
John Neff	Leavenworth	WA	98826	6/3/2017
Gail McDonough	Wenatchee	WA	98801	6/4/2017
keely murdoch	Cashmere	WA	98815	6/4/2017
Joan Qazi	Wenatchee	WA	98801	6/4/2017
Guy Harper	Chelan	WA	98816	6/4/2017
Mary Ellen Rundell	Cashmere	WA	98815	6/4/2017
Ronald Lautenslager	Wenatchee	WA	98801	6/4/2017

Name	City	State	Zip	SignedOn
Magnolia Polley	Kula	HI	96796	5/27/17
Ann Klapstein	Manson	WA	98831	5/27/17
katherine Toevs	Chelan	WA	98816	5/27/17
Terri L Emery	Chelan	WA	98816	5/28/17
Olivia De La Cruz	Seattle	WA	98119	5/29/17
Robyn casal	Chelan	WA	98816	5/29/17
Sara Hasslinger	Chelan	WA	98816	5/29/17
lukas sztab	Wenatchee	WA	98801	5/29/17
Tammy Lee Hauge	Wenatchee	WA	98801	5/29/17
Lynn Yowell	Chelan	WA	98816	5/29/17
Michael Keller	Chelan	WA	98816	5/29/17
cie marchi	Chelan	WA	98816	5/29/17
Laura Folsom	Chelan	WA	98816	5/29/17

Liz Tanke	Chelan	WA	98816	5/30/17
Theresa Lamay	Chelan	WA	98816	5/30/17
Chandra Villano	East Wenatchee	WA	98802	5/30/17
Barbara Korando	Manson	WA	98831	5/30/17
Teresa Farrell	Chelan	WA	98816	5/31/17
Janice Parsons	Cashmere	WA	98815	6/1/17
Joan Qazi	Wenatchee	WA	98801	6/4/17
Guy Harper	Chelan	WA	98816	6/4/17
Mary Ellen Rundell	Cashmere	WA	98815	6/4/17

Comment

I am signing this because I am absolutely aware of the effects of EMF's and I refuse to be bombarded by this for the convenience of the PUD. It is horrendous that this is becoming a norm in our American communities and obviously would not be an option if anyone had done their research. As if we don't already have enough cancer, etc in this valley. Please get a clue. This is incredibly irresponsible and offensive. PUD employees, do your research don't hurt your family and neighbors! You are responsible and will have guilt on you once you realize what you have done.

I'm apposed to more emf produced by the smart meter attached to my home.
The health consequences out way the convenience of the pud. I do not want the meters in the valley.

Because I care about our health! Who wouldn't?
I'm signing this because I fear for my family and my own health, plus I resent the possibility of losing more of my personal privacy and freedom.
I can't imagine why anybody actually would want these smart meters and justify having one when the effects are so harmful in so many ways.
Why add another stress to our environment! What is the really agenda for pushing this on us ? Who really benefits? We are claiming our power
By saying no .This is our community and the PUD is a publicity own!
This is our opportunity to have our voices heard . Please spread the word!!
These are bad for our health!
This is outrageous!
I want to protect my health, enviroment and the security of my property and the over all security of Chelan County .

Thank you,

Tammy Lee Hauge
I'm opposed to electro magnetic devices and am sensitive to the output of radiation from these devices.
I also believe they harm the environment.
These things are harmful in so many ways.
It's the right thing to do and to speak up against.
I do not want smart meters in our area. I believe the health risks are too great to the physical body.

The risks to health and wildlife, and of potential fire are unacceptable.

Because this is wrong you're making people sick and giving them radiation

I'm signing because I am a Naturopathic physician and I am concerned about the possible health ramifications of adding further EMF's to the sea of wifi and cell phones that are already in our homes.

I do not want a meter that radiates strong electromagnetic currents anywhere near where I live. I also caution the PUD to seriously consider the safety ramifications for both humans and wildlife. Please act responsibly and FOR the people!

Short term gain in the name of "efficiency" is not enough to convince me that this technology is yet to be proven safe for long term exposure to us and the world around us. Please consider the effects that have been studied and reported to cause harm. We are a small population in this county. Let this technology prove itself (or not) in a more densely populated area before we commit to this!

OUR NUMBERS ARE SMALL, BUT ...OUR INTENT IS HUGE.

I believe we should take a precautionary principle when adopting these new technologies and not employ them until long-term independent studies show they are not harmful. I am disappointed that PUD would not want to continue supporting our local economy by employing meter readers when it could do so. This is an entirely unnecessary move.

Concerned with fire/insurance issues and health issues.

I oppose anything that negatively effects health or wildlife.

Name	City	State	Zip	Comment
Magnolia Polley	Kula	HI	96796	I am signing this because I am absolutely aware of the effects of EMF's and I refuse to be bombarded by this for the convenience of the PUD. It is horrendous that this is becoming a norm in our American communities and obviously would not be an option if anyone had done their research. As if we don't already have enough cancer, etc in this valley. Please get a clue. This is incredibly irresponsible and offensive. PUD employees, do your research don't hurt your family and neighbors! You are responsible and will have guilt on you once you realize what you have done.
Ann Klapstein	Manson	WA	98831	I'm apposed to more emf produced by the smart meter attached to my home. The health consequences out way the convenience of the pud. I do not want the meters in the valley.
katherine Toevs	Chelan	WA	98816	Because I care about our health! Who wouldn't?
Terri L Emery	Chelan	WA	98816	I'm signing this because I fear for my family and my own health, plus I resent the possibility of losing more of my personal privacy and freedom.
Olivia De La Cruz	Seattle	WA	98119	I can't imagine why anybody actually would want these smart meters and justify having one when the effects are so harmful in so many ways.
Robyn casal	Chelan	WA	98816	Why add another stress to our environment! What is the really agenda for pushing this on us ? Who really benefits? We are claiming our power By saying no .This is our community and the PUD is a publicity own! This is our opportunity to have our voices heard . Please spread the word!!
Sara Hasslinger	Chelan	WA	98816	These are bad for our health!
lukas sztab	Wenatchee	WA	98801	This is outrageous!
Tammy Lee Hauge	Wenatchee	WA	98801	I want to protect my health, enviroment and the security of my property and the over all security of Chelan County . Thank you, Tammy Lee Hauge
Lynn Yowell	Chelan	WA	98816	I'm opposed to electro magnetic devices and am sensitive to the output of radiation from these devices. I also believe they harm the environment.
Michael Keller	Chelan	WA	98816	These things are harmful in so many ways.
cie marchi	Chelan	WA	98816	It's the right thing to do and to speak up against.
Laura Folsom	Chelan	WA	98816	I do not want smart meters in our area. I believe the health risks are too great to the physical body.
Liz Tanke	Chelan	WA	98816	The risks to health and wildlife, and of potential fire are unacceptable.
Theresa Lamay	Chelan	WA	98816	Because this is wrong you're making people sick and giving them radiation

Chandra Villano	East Wenatchee	WA	98802	I'm signing because I am a Naturopathic physician and I am concerned about the possible health ramifications of adding further EMF's to the sea of wifi and cell phones that are already in our homes.
Barbara Korando	Manson	WA	98831	I do not want a meter that radiates strong electromagnetic currents anywhere near where I live. I also caution the PUD to seriously consider the safety ramifications for both humans and wildlife. Please act responsibly and FOR the people!
Teresa Farrell	Chelan	WA	98816	Short term gain in the name of "efficiency" is not enough to convince me that this technology is yet to be proven safe for long term exposure to us and the world around us. Please consider the effects that have been studied and reported to cause harm. We are a small population in this county. Let this technology prove itself (or not) in a more densely populated area before we commit to this!
Janice Parsons	Cashmere	WA	98815	OUR NUMBERS ARE SMALL, BUT ...OUR INTENT IS HUGE.
Joan Qazi	Wenatchee	WA	98801	I believe we should take a precautionary principle when adopting these new technologies and not employ them until long-term independent studies show they are not harmful. I am disappointed that PUD would not want to continue supporting our local economy by employing meter readers when it could do so. This is an entirely unnecessary move.
Guy Harper	Chelan	WA	98816	Concerned with fire/insurance issues and health issues.
Mary Ellen Rundell	Cashmere	WA	98815	I oppose anything that negatively effects health or wildlife.

Date: 6/3/17 8:37 AM (GMT-08:00)

To: "Congdon, Ann" <ann.congdon@chelanpud.org>

Cc: "Hartman, Suzanne" <Suzanne.Hartman@chelanpud.org>

Subject: Advanced Meters

Chelan County PUD IT Warning:

Please use caution! This is an external email with links or attachments.

Dear Commissioner Congdon,

I would like to comment on the upcoming vote regarding the possible installation of Advanced Meters in Chelan County.

First, I wish to thank everyone at the PUD for informing the community and allowing feedback. Not all communities are being considered a partner in this decision, so I am very grateful for the inclusion in the process. Your dedicated work is very much appreciated. Thank you!!

Directly to the point: **I urge you to cast a NO vote on this issue.** And this is the reason...

I have spent an enormous amount of time researching this technology and the recorded effects, emphasizing the health aspect as that is personally a high priority for me. I have experienced and overcome health issues by doing my due diligence.

The piles of studies and testimonials are all pointing to the same conclusions, citing a few here:

- This technology has not been tested for human safety.
- World Health Organization classifies it as a possible carcinogen.
- Peer-reviewed research around the world is showing that similar emissions have potentially hazardous effects. I am attaching one such report published by the American Academy of Environmental Medicine, titled "**Wireless Smart Meter Case Studies**". Based on their findings, they are calling for 1) Further research regarding smart meter health effects 2) Accommodation for health considerations regarding smart meters 3) Avoidance of smart meter EMF/RF emissions based on health considerations 4) a moratorium on smart meters and implementation of safer technology.

In the above-mentioned report, they cite a case series, *Symptom Development from Exposure to Wireless Smart Meters' Radiofrequency Fields* and state "**It clearly demonstrates adverse health effects in the human population from smart meter emissions.**"

This report is just a sample of what is available on the subject. So I have to question what appears to be considerable **misinformation** regarding this

being a "safe and proven technology". It is anything but that. Is this big business pushing their product and we will become the case study subjects? And in a few years, we will all know whether the experiment worked or not. A bit like vaccinations and chemotherapy. And we are learning how that is turning out.

I am very skeptical when I see the possible disadvantages (i.e., seriously harmful effects on humans, wildlife – especially the pollinators, and the environment far outweigh the proposed advantages!

I am in accord with the AAEM: ***at this time a moratorium on smart meters is the best solution until a safer technology can be determined.***

Please vote NO to the proposed technology until we can do what is best for our community.

Best regards,
Suzan Keller

Attachment: Wireless Smart Meter Case Studies



American Academy of Environmental Medicine

6505 E Central • Ste 296 • Wichita, KS 67206

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

www.aemonline.org

Wireless Smart Meter Case Studies

Executive Committee

President

Amy L. Dean, D.O., FAAEM
1955 Pauline Blvd Ste 100D
Ann Arbor, MI 48103

President-Elect

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304 W Los Olivos
Santa Barbara, CA 93105

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Jennifer Armstrong, M.D., FAAEM
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24 Main St.
Liberty, MO 64068

Assistant-Chair
Wm. Alan Ingram, M.D.
18015 Oak St Ste B
Omaha, NE 68130

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

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

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

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

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

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

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

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

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

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

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

PUD Commissioners and Management:

I have several concerns I would like to express regarding the proposed installation of Advanced Meters in Chelan County.

I have read and researched extensively to get a good understanding of what you're proposing. What I have learned does not align with the information that appears on the Chelan PUD website.

Regarding the "Urban Legend clarifications" that are published on the PUD website, I have added my comments (listed under **FACT**):

MYTH #2: Smart meters are a health threat because they communicate using wireless signals. TRUTH: In-depth review of the scientific literature by the World Health Organization (WHO) revealed that the small amount of radio frequency (RF) energy produced by smart meters is not harmful to human health.

FACT: Quoted from World Health Organization's International Agency for Research on Cancer (IARC) Press Release #208, 31 May 2011: "**WHO/IARC has classified radiofrequency electromagnetic fields as possibly carcinogenic to humans (Group 2B)...**"

TRUTH: RF emitted by smart meters is well below the limits set by Federal Communications Commission and it is below levels produced by other common household devices like cell phones, baby monitors, satellite TVs, and microwaves. In fact, you would have to be exposed to the RF from a smart meter for 375 years to get a dose equivalent to that of one year of 15-minutes-per-day cell phone use.

FACT: From the EPA: "The FCC's current (radio frequency/microwave) exposure guidelines, as well as those of the Institute of Electrical and Electronics Engineers (IEEE) and the International Commission on Non-ionizing Radiation Protection, are thermally based, and do not apply to chronic, non-thermal exposure situations.....the generalization by many that the guidelines protect human beings from harm by any or all mechanisms is not justified." Norbert Hankin of the EPA's Office of Air and Radiation, Center for Science and Risk Assessment, Radiation Protection Division, July 16, 2002.

The FCC's guidelines can show a device to be unsafe, but cannot prove that a device is safe. Non-thermal levels of exposure are simply not regulated by the FCC. There are thousands of peer-reviewed studies showing potentially harmful biological effects of non-thermal levels of microwave radiation.

NIOSH: The FCC's standard is inadequate because it "is based on only one dominant mechanism - adverse health effects caused by body heating." Comments of NIOSH to the FCC, January 11, 1994.

MYTH #3: Smart meters will not keep my data secure.

TRUTH: Just as the banking, credit card and cable industries have provided secure access to your information online, the utility industry is poised to do the same using advanced security and encryption technology to safeguard your data. **TRUTH:** Utilities are involved in national consortiums and work with national cyber-security to regularly audit their systems to ensure privacy and security of smart meters.

The privacy of your data is protected now. Utilities work constantly to safeguard it. That will not change with the use of smart meters.

FACT: On March 7, 2017, *Cynthia Ayers presented testimony before the Michigan House Committee on Energy Policy. Her testimony included an analysis of **how smart meters introduce safety and security threats to the electric grid and to civilization itself.** Excerpts from the written testimony include the following:

"My testimony will concentrate on the possibility of a catastrophic cyber attack to the systems we depend on for the delivery of electricity – the lifeblood of our modern civilization. ...

As our electric grid becomes 'smarter' and more networked, it also becomes more vulnerable, making it a very inviting – perhaps the most inviting – target for adversaries. Threats specific to smart grid technology range from the tactical (e.g., house-to-house, building to building) to the national strategic level. As with cyber activities world-wide, operational attacks against small, inconspicuous elements

(smart meters, for example) could ultimately have a much larger, truly catastrophic impact to the grid and to the society it sustains.

*Although security can always be improved, all networks, all systems – **virtually anything computerized – can be hacked.** As systems become more highly networked, it becomes easier for attackers to locate ‘backdoors’.*

**Cynthia Ayers is a national security threat analyst, currently working as an independent consultant within the Mission Control and Cyber Division of the Center for Strategic Leadership, U.S. Army War College. She is also serving as Deputy to the Executive Director of the Congressionally sponsored Task Force on National and Homeland Security.*

I absolutely agree that it is important to “separate myths from reality”. I’m not at all reassured that has taken place objectively.

You have also indicated that should this pass, you will have an Opt-Out policy available for those that do not want to participate in this questionable change over. In truth, **opting out is basically not a viable solution.** Even if a homeowner does opt out, they are still *involuntarily irradiated* 24/7 by their neighbors’ smart meters, especially when there are whole banks of smart meters or hubs nearby.

Some final thoughts:

Microwave emissions from wireless smart meters being used in grid modernization systems result in involuntary household microwave exposure, and

- Are not adequately regulated by the FCC
- Have been classified as a possible human carcinogen by the WHO
- Have not been tested for human safety
- Have been the cause of unusual and severe insomnia, headaches, tinnitus and heart arrhythmias in thousands of persons
- Peer-reviewed research publications from all over the world have shown that similar emissions have potentially hazardous effects
- Smart meters utilizing wireless communications present an extremely dangerous combination of open portals, wireless hacking, power cutoff switches and adverse health effects.

With all these apparent disparities, I urge you to put this proposal on the back burner for the time being until a safer alternative can be implemented. There are other ways to meet energy goals without introducing health, safety, and security risks to the entire county.

Please vote NO on July 5 and maintain our current analog system until a better solution is available.



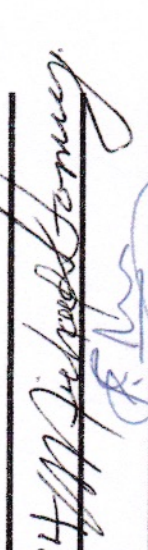
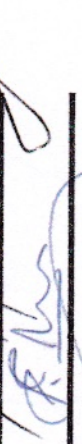



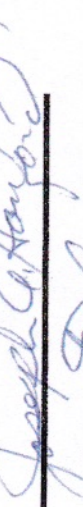




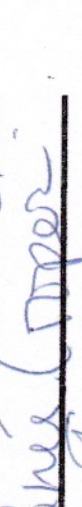




Thank you for your consideration.

Respectfully,















Suzan Keller, Chelan, WA

P.S. Concerned citizens in Chelan have been actively connecting with friends and neighbors, both on the Internet (Digital Petition) and personally, in an attempt to reach out to as many community members as possible that were not aware that this change is an inherent possibility. Attached are some of the signatures gathered in the process requesting that this proposal not be implemented at this time. I’ll forward the remainder before the meeting on Monday.

Urge our Chelan PUD Commissioners to maintain the current analog electrical meter system. Based on the documented serious health and safety issues and possible security concerns --- we say NO to the proposed 'Advanced' (Smart) Meter installation in Chelan County.

Name (printed)	Address	Phone or email	Signature
John Well	218 E Woodin	509 682 3508	
Cathy Law	PO Box 1533	541-220-6812	
Larry Bunker	1278 S ALFORD RD	206-660-5041	
Michael J Forney	P.O. Box 2448	509-860-0184	
Siva Kumar	PO Box 1912	712-8749	
Seth M...	510 E Ford	509-393 8453	
Chris Barker	PO Box 1415	582-0101	
Barbara Richardson	2301 W. Woodin Chelan	(509) 679-7567	
JOSEPH A. HANFORD	POB 1103 215 WILSON CHELAN	682-8264	
ADAM JENSEN	1345 Washington St Wenatchee	509-232-5509	
Allen Robinson	22701 Willwartin	509 679 2876	
Mark Skolton	PO Box 1238	509 682 2248	
Cecil Page	PO 805		
Kathryn Frey	PO Box 1256		
Renee Cooper	PO Box 1052		
Lam Gwaley	POB 514 CHELAN		
FRANCE BELFAST	P.O. Box 2535 CHELAN		
Travell Jackson	423 East Gibson Ave		

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Name (printed)	Address	Phone or email	Signature
IVAN TILBURY	PO Box 65	peahuts@applecapita.net	
JOHN C. GORDON	PO Box 1845	682-0353	
Melissa J. Giesinger	PO Box 2063	88-9276	
Max Graham	Sen Delu	2067472158	Max Graham
Kathie Littlefield	109 Granite Falls Rd	509 423 0771	
Kathleen Trent	P.O. Box 2221		
Paul Coire	P O Box 2331	Chelan WA	
Walt Carlfor	P.O. Box 3087	Chelan WA	
Stephanie Miller	PO Box 3153	Chelan WA	
Nathan Grass	Chelan		
Jan P. Gellier	P.O. Box 1478	687-3139	
Blake S.	Chelan	135	
Farah McGinty	1880 S. Lakeshore	(425) 293-0993	
Kyle Dandant	217 Pinnacle Pk		
Rail Sanchez	P.O. Box 1122		
Daniel Yalson	Chelan		
PAUL TAVENNER	PO Box 975	TSTAVEN@GMAIL.COM	
Jeremy Shull	PO Box 2615		

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Name (printed)	Address	Phone or email	Signature
Sally Anderson	MANSON	679-3990	Sally Anderson
Cathleen Beretta	MANSON	687-9486	Cathleen Beretta
Wilma Young	Chelan	682-3331	Wilma Young
Marianne Lewman	Manson	687-3898	Marianne Lewman
Cheryl Lindsey	Elgin	284-6707	Cheryl Lindsey
Diane Lindsey	Wenatchee	337-3333	Diane Lindsey
Bill Koether	Chelan	682-7176	Bill Koether
Ron Dumbay	Chelan	682-3423	Ron Dumbay
Ray E. Cummings	Chelan	682-1314	Ray E. Cummings
Janet Reese	Chelan		Janet Reese
Regan Bolyard	Chelan	881-5657	Regan Bolyard
Wade Johnson	Chelan	372-4677	Wade Johnson
Lee Carben	Chelan	682-5392	Lee Carben
Cathleen Jimmever	Chelan	504-860-1391	Cathleen Jimmever
Patrick J. McGuire	Chelan	509-682-5463	Patrick J. McGuire
Dorey Knischenc	Chelan	509-487-3170	Dorey Knischenc
Virginia Palumbo	Chelan	501-682-5969	Virginia Palumbo
Amy Hanner	Chelan	208-697-6927	Amy Hanner

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we say **NO** to the proposed 'Advanced' (Smart) Meter installation in Chelan County.

Name (printed)

Address

Phone or email

Signature

Dan Hensley P.O. Box 2117 Chelan

Mary Lou Kaeple P.O. Box 1763 Chelan

Kris Sek P.O. Box 2428

Leann Giddens P.O. Box 37 Chelan Falls, WA

Dan (Thomas) Moro P.O. Box 1192 Chelan, WA 98816

Cynthia Cocker P.O. Box 251 Chelan, WA 98816

Emma Elsner P.O. Box 114 Chelan, WA 98816

Roxanne Giffin 263 Upper Ice Creek Rd - Manson, WA 98831

Dense Winters 110 S. Franklin Wapato WA 98801

Brigitte Szabo P.O. Box 724 Chelan brighteogenerator.net

Maxilene Stolzenburg 225 Campbell Ave - Chelan - 988-3829

Kim Johnson / P.O. Box 2507 Chelan WA

ELIZABETH MANTHEY (RIVERWALK BOOKS PO BOX 686 CHELAN)

Alex Hill 12280 Eutiat River Rd. Eutiat WA 98822

Don Bunn 135 E. Nixon Chelan WA 98816

Shirley Daughn 218 N. Brodley Chelan

Lisa Peterson 344 West Campbell Ave

Don Brown PO 1123 Chelan 36029164151

Mary Lou Kaeple

Urge our Chelan PUD Commissioners to maintain the current analog electrical meter system.
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Name (printed)

Address

Phone or email

Signature

Kate Tomlinson

419 E Okanagan Ave.

670 4287

Kate Tomlinson

Mandi Dawson

620 Markeson St.

800 2369

Mandi Dawson

JUDIE GEMBALA

384 E WADATO

687-3392

JUDIE GEMBALA

James Gembala

11

..

..

..

James Gembala

Marcy Whitcombe

1700 Shady Pass Rd

607-1311

Marcy Whitcombe

Ilen Phillips

322 E Woodin

679-2582

Ilen Phillips

Nichelle Jerome

PO Box 1123

679-9059

Nichelle Jerome

GREG DONALD

421 KARMA TAYLOR

GREG DONALD

Charife Donald

11

Charife Donald

Sy Stegauer

295 Rosmary Ct

Chelan Falls 679-2005

Sy Stegauer

Ronald V. Smith

808 Manson Hwy.

204-A

Ronald V. Smith

Valerie G. Smith

808 Manson Hwy

204-A

Valerie G. Smith

Scott Schulke

P.O. Box 906

Chelan 98816

Scott Schulke

Roberta Giffin

PO Box 1949

Chelan 98816

Roberta Giffin

ROBERT G-MANTHEY

PO Box 104

Chelan 98816

Roberta Giffin

Nancy Iyva

PO Box 760

Manson 98831

Nancy Iyva

Michael Hakdreith

258 N. Quetiquascon

Manson 98831

Michael Hakdreith

Barb Kuch

336 Highpoint Pl

Chelan 98816

Barb Kuch

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Name (printed)

Address

Phone or email

Signature

JOSETTE PELLETIER

1545 SHADY PINE RD -

509-687-9247

Joette Ranta

~~JAN BERTON~~

Clyde Goeken

105 N BUTTERS

509-423-2452

Joette Ranta

Jessica Casal

318 E Raymond

509-884-7774

Joette Ranta

Don Casal

318 E Raymond

509-884-7774

Joette Ranta

Joe Mink

89 Freedom Lane Chelan

509-884-7774

Joette Ranta

Ledonne Ende

89 Freedom Lane

509-884-7774

Joette Ranta

BRIAN OLIVE

1421 N. ARBOR BL

509-884-7774

Joette Ranta

Greg Olive

3327 Olive Rd (2)

509-884-7774

Joette Ranta

Chandra Villano

1421 N. Arbor Terrace

509-393-5728

Joette Ranta

Kari Thompson

89 Summer Ridge Ln

Malaga, WA 509-679-2004

Joette Ranta

Don Brownfield

225 Apple Acres Rd

Chelan WA 98816

Joette Ranta

D Kanabani Baach

PO BOX 336

Chelan WA 98816

Joette Ranta

GARYSON NICHOLS

PO BOX 336

Chelan WA 98816

Joette Ranta

GINA PETERSON

89 SUMMER RIDGE LANE

(509) 679-3538

Joette Ranta

VIRGINIA R BECKER

225 Boyd Rd

Chelan (509) 717-0470

Joette Ranta

Charles T. Keaton

423 N. Emerson

Chelan 98816

Joette Ranta

Gustavo Becerra

#8 eagle gulch Rd

Chelan WA 98816

Joette Ranta

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Name (printed)

Address

Phone or email

Signature

Janet R. Spencer	1461 Swartout Rd	Chelan WA 98816	buddhabubba@live.com	[Signature]
Kelsey Herald	726 N. Markeson	#112 Chelan WA 98816	Chelan WA 98816	[Signature]
Crystal Dierick	Box 2892	Chelan WA 98816	Chelan WA 98816	[Signature]
Garrett Bos	P.O. Box 147	Chelan WA 98816	Chelan WA 98816	[Signature]
George Maki	P.O. Box 1147	Chelan WA 98816	Chelan WA 98816	[Signature]
Beverly Opi	Box 2782	Chelan WA 98816	Chelan WA 98816	[Signature]
Sandra B. 202	329 E. Trow	Chelan WA 98816	Chelan WA 98816	[Signature]
Jessie Thompson	225 Trow	Chelan WA 98816	Chelan WA 98816	[Signature]
Ann Klapstein	1461 Swartout Rd	Manzan WA 98816	Manzan WA 98816	[Signature]
Jane Klapstein	1461 Swartout Rd	Manzan WA 98816	Manzan WA 98816	[Signature]
Meegan Normandeau	120 Bayley Blvd	Chelan WA 98816	Chelan WA 98816	[Signature]
KATRIN MUCKE	1816 E. HARKINS ST.	SEATTLE WA 98112	SEATTLE WA 98112	[Signature]
Sara Hasslinger	320 W. Highland St.	Chelan WA 98816	Chelan WA 98816	[Signature]
Debbie Winkel	50 Apple Acres Rd	" "	" "	[Signature]
Gloria Hanson	106 W. PT. COURT	Chelan WA 98816	Chelan WA 98816	[Signature]
Donna K. Janet	385 Highland Lane	Chelan WA 98816	Chelan WA 98816	[Signature]

----- Original Message -----
Subject: Advanced Meters
From: <suzankeller
Date: Sat, June 03, 2017 8:07 am
To: garry.arseneault@chelanpud.org

Hi Garry,

As the vote for possibly implementing the "Advanced Meters" in the county is coming up on Monday, I want to reiterate my strong hope that the commissioners come together with a decision to NOT update the current analog meters at this time.

I have done a tremendous amount of research since we spoke and what I've read gives me great concern over the known and unknown effects that the wireless meters present.

Within the PUD's description of the AMI meter, they claim that it is a "safe and proven technology." However, under the "Health Information" section, it is stated that *"The World Health Organization has promised to conduct a formal assessment of the risks from RF exposure but this report is not yet available"*

So my question is: from what source is the "safe" determination claim based? I see no backup to that claim on the site.

In my findings, the statement "it is safe" is nowhere to be found. Most of the studies and testimonies all state that exposure to the Smart Meter radiation is definitely hazardous / not safe for the health of humans, wildlife, and ultimately, our environment. In the articles that won't actually publish that it is 'not safe' are warning that this technology **"has not been tested for human safety."**

I would love to send you all the information I have gathered, but, fear not -- I won't !! 😊

Having said that, I do want to share a survey conducted in the US which documents "New or Worsened Symptoms after Exposure to Wireless Utility Meters". This was conducted by Ronald M. Powell, Ph.D., a retired career U.S. Government scientist.

His closing statement is something to heed: *"A symptom, of course, is something that can be sensed by an individual, and thus can serve as a warning. **Unfortunately, many health effects caused by radiofrequency radiation have no early symptoms and thus give no warning. The health effects become evident only after significant harm has been done. Examples are DNA damage, cancer, and reproduction effects.**"* (some reports dare to include "death" on the list!)

What the World Health Organization does say about EMF is: **"the technology is too recent to rule out possible long-term effects"** and is **"classified as a possible human carcinogen."** Wow! So what do we do when, after a few years' exposure, we actually can conclude that these EMFs have caused irreparable damage to our bodies? Just suffer through it?

I know I'm sounding like an alarmist. I am alarmed! This is just one of many sources that are giving us the same warning. Installing the Wireless Smart Meters is a very serious move and decision. In my opinion, I believe it is not at all "proven" to be safe enough to inflict on our community.

Thank you for allowing and considering our input. I have heard that some PUDs are categorically implementing this technology unbeknown to their constituents. I very much appreciate the work that you are all doing on our behalf. Thank you!

We rely on you for our safety. I urge you to put this idea on the shelf until more testing and data that supports this being non-harmful to us comes to light.

Best regards,
Suzan Keller

Attachment: Symptoms after Exposure to Smart Meter Radiation

Symptoms after Exposure to Smart Meter Radiation

People from coast to coast in the USA, and from one side of the world to the other, are becoming ill after exposure to the radiofrequency radiation emitted by Wireless Smart Meters. Attached are the results of two surveys of the symptoms being reported.

The first survey comes from the United States and includes 318 respondents, from 28 states from California to New York, and addresses wireless utility meters that are principally Wireless Smart Meters. The second survey comes from the other side of the world, Victoria, Australia, and includes 92 respondents, and addresses Wireless Smart Meters exclusively. Altogether, 410 adults and children are included. Both surveys report new or worsened symptoms after exposure to the radiation from Wireless Smart Meters in the respondent's environment.

The attached two bar graphs show the percentage of respondents who experienced each symptom. Most individuals in both surveys developed multiple symptoms. Each bar graph is followed by one page of additional information written by the person who analyzed the survey data.

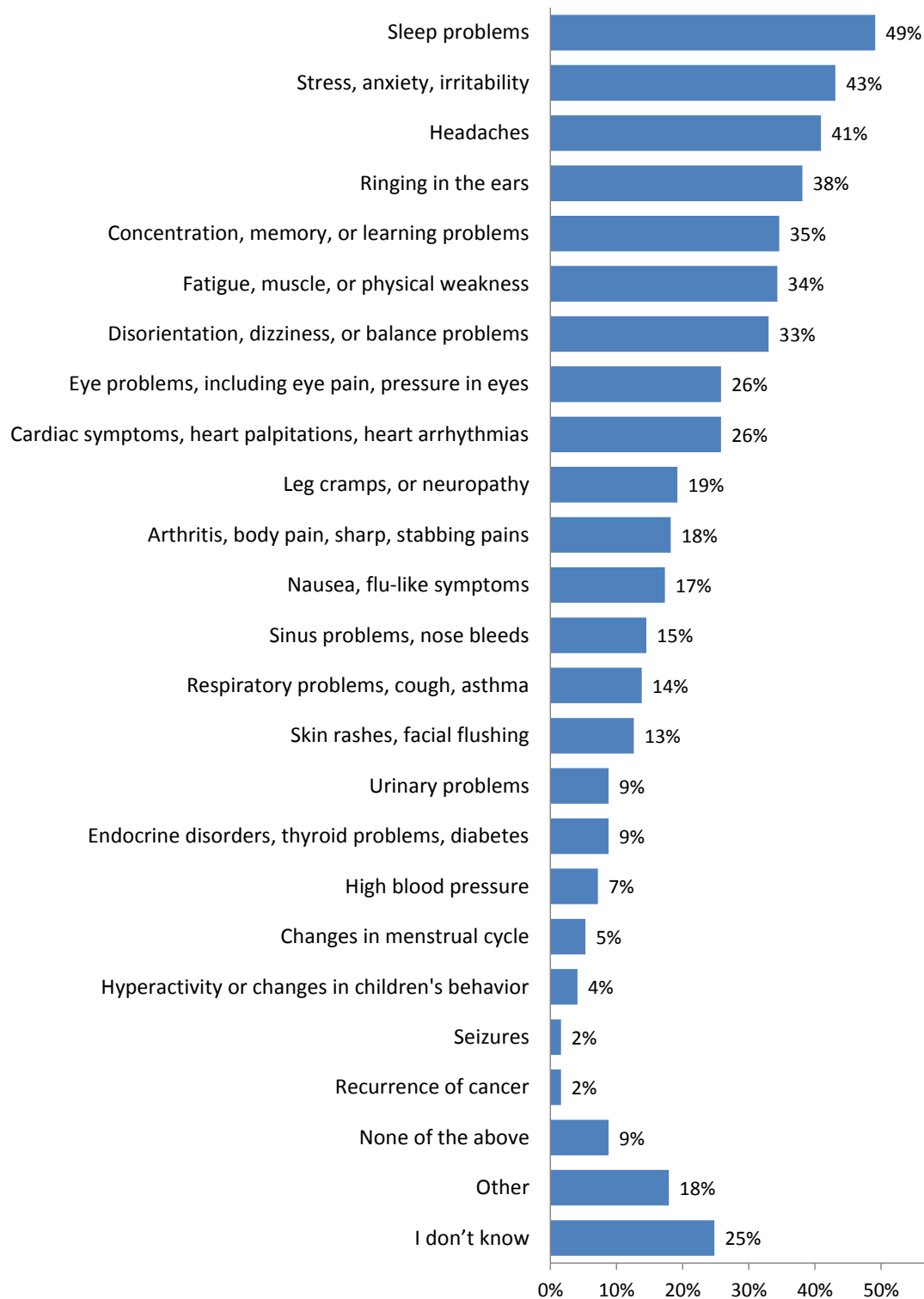
The two surveys group symptoms into somewhat different clusters, but many of these clusters are similar enough to enable comparison between the surveys. Of the top seven clusters of symptoms in both surveys, six clusters are similar in description and nearly identical in order of occurrence: (1) sleep disruption; (2) headaches; (3) ringing or buzzing in the ears; (4) fatigue; (5) loss of concentration, memory, or learning ability; and (6) disorientation, dizziness, or loss of balance.

The surveys do not tell us how likely a given individual is to become symptomatic after exposure to the radiation from Wireless Smart Meters. But the surveys do tell us which symptoms a person who does become symptomatic is most likely to experience. The many symptoms found reflect the many body systems that are disrupted by such radiation.

A symptom, of course, is something that can be sensed by an individual, and thus can serve as a warning. Unfortunately, many health effects caused by radiofrequency radiation have no early symptoms and thus give no warning. These health effects become evident only after significant harm has been done. Examples are DNA damage, cancer, and reproduction effects.

¹ Ronald M. Powell is a retired career U.S. Government scientist. He holds a Ph.D. in Applied Physics from Harvard University. During his Government career, he worked for the Executive Office of the President, the National Science Foundation, and the National Institute of Standards and Technology.

New or Worsened Symptoms Reported by 318 Individuals after Exposure to Wireless Utility Meters in the USA¹



¹ Ed Halteman, Ph.D., statistics, Wireless Utility Meter Safety Impacts Survey: Final Results Summary, September 13, 2011, p. 22 (<http://emfsafetynetwork.org/wp-content/uploads/2011/09/Wireless-Utility-Meter-Safety-Impacts-Survey-Results-Final.pdf>). 97 percent of respondents to full survey were in the USA, from 28 states, with most in California (78 percent) and New York (16 percent). In the Final Results Summary, the four clusters of symptom's with the fewest responses (2 to 5 percent each, totaling 13 percent) were included in "Other" but are broken out separately in the above bar graph, reducing the responses listed as "Other" (from 31 percent to 18 percent, a reduction of 13 percent).

Executive Summary by Ed Halteman, Ph.D.

Wireless Utility Meter Safety Impacts Survey

OBJECTIVES

- To investigate reported public health and safety complaints about wireless utility meters.
- To evaluate the impacts on health and safety due to wireless utility meters.
- To determine whether further study is warranted.

METHODS

- Survey was designed by the EMF Safety Network (Network).
- The survey was circulated online through various social media outlets including Network's email list, Facebook, and the California EMF Safety Coalition (a discussion group).
- The survey was also posted on Network's website: www.emfsafetynetwork.org where visitors were invited to take the survey.
- 443 responses were received from 7/13/2011 through 9/2/2011. *(318 of the 443 answered the health questions that formed the basis for the bar chart on symptoms. RMPowell)*
- Network commissioned Survey Design and Analysis (SDA) to provide this report of the survey findings.

RESPONDENT MAKEUP

- 93% are over 40 years old and 43% are over 60 years old.
- 73% are women.
- 78% are from California.
- 68% have Pacific Gas and Electric (PG&E) as their utility provider.
- 49% are EMF Sensitive.
- 41% have had a new wireless meter installed in their home; of these . . .
 - 56% have had it installed for at least six months
 - 89% have electric meters, 53% gas meters and 10% water meters
 - 35% saw an increase in their utility bill
 - 26% have experienced some type of interference
 - 8% experienced burned out appliances or damaged electronics including TV, stereo, computer, refrigerator and other.
- 76% indicated they have wireless utility meters installed in their neighborhood, town or city.
 - 44% near their home
 - 36% in town

TOP HEALTH ISSUES SINCE NEW METERS INSTALLED

- Sleep problems (mentioned by 49%)
- Stress, anxiety and irritability (43%)
- Headaches (40%) *(Listed as 41% on symptoms bar graph, rounded up from 40.9%. RMPowell)*
- Ringing in the ears (38%)
- Heart problems (26%)

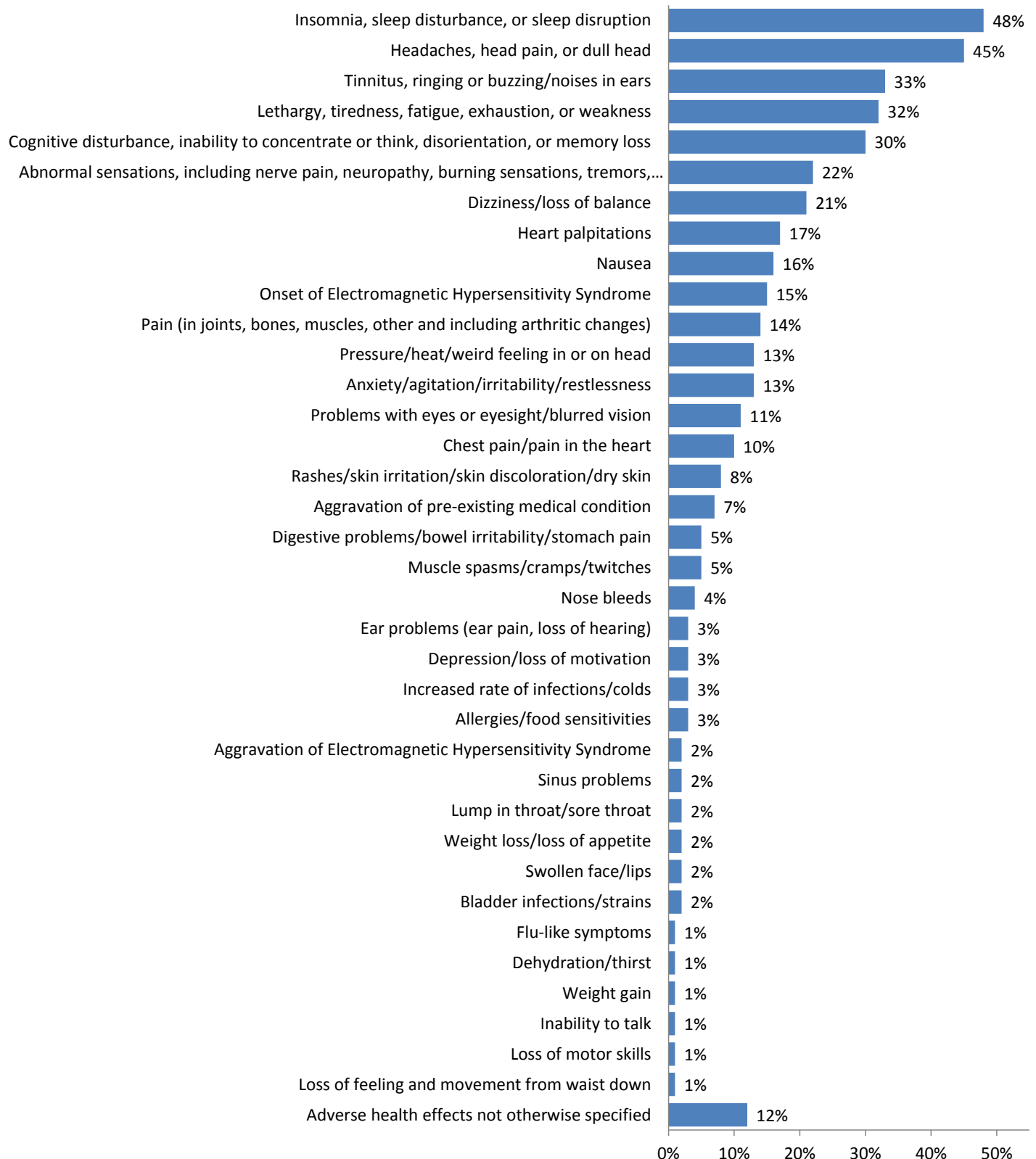
UTILITY and PUBLIC UTILITY COMMISSION INTERACTIONS *(Title inserted by RMPowell.)*

- 40% (111 people) of those having wireless meters in their homes or community have complained to their utility provider.
 - 96% of these people were either "Unsatisfied" or "Very Unsatisfied" with the handling of their complaint.
- 32% (88 people) complained to the utilities commission.
 - 96% of these people were either "Unsatisfied" or "Very Unsatisfied" with the handling of their complaint
- 94% of respondents want to retain or restore their analog meters and 92% of these respondents do not think they should have to pay any additional money.

STATISTICAL TESTING SHOWS THE TOP HEALTH SYMPTOMS ARE POSITIVELY ASSOCIATED WITH

- EMF Sensitivity
- Wireless meters installed in the home

New or Worsened Symptoms Reported by 92 Individuals after Exposure to Wireless Smart Meters in Australia¹



¹ Federica Lamech, MBBS, Self-Reporting of Symptom Development from Exposure to Radiofrequency Fields of Wireless Smart Meters in Victoria, Australia: A Case Series. *Alternative Therapies*, Nov/Dec 2014, Vol. 20, No. 6, pages 28-38. NIH PMID 25478801 (<http://www.alternative-therapies.com> and <http://www.ncbi.nlm.nih.gov/pubmed/25478801>).

Abstract of Dr. Federica Lamech's Article from the National Institutes of Health PubMed Index

Altern Ther Health Med. 2014 Nov-Dec;20(6):28-39.

Self-reporting of symptom development from exposure to radiofrequency fields of wireless smart meters in Victoria, Australia: a case series.

Lamech F.

Abstract

CONTEXT:

In 2006, the government in the state of Victoria, Australia, mandated the rollout of smart meters in Victoria, which effectively removed a whole population's ability to avoid exposure to human-made high-frequency nonionizing radiation. This issue appears to constitute an unprecedented public health challenge for Victoria. By August 2013, 142 people had reported adverse health effects from wireless smart meters by submitting information on an Australian public Web site using its health and legal registers.

OBJECTIVE:

The study evaluated the information in the registers to determine the types of symptoms that Victorian residents were developing from exposure to wireless smart meters.

DESIGN:

In this case series, the registers' managers eliminated those cases that did not clearly identify the people providing information by name, surname, postal address, and/or e-mail to make sure that they were genuine registrants. Then they obtained consent from participants to have their deidentified data used to compile the data for the case series. The author later removed any individual from outside of Victoria.

PARTICIPANTS:

The study included 92 residents of Victoria, Australia.

OUTCOME MEASURES:

The author used her medical experience and judgment to group symptoms into clinically relevant clusters (eg, pain in the head was grouped with headache, tinnitus was grouped with ringing in the ears). The author stayed quite close to the wording used in the original entries. She then calculated total numbers and percentages for each symptom cluster. Percentages were rounded to the nearest whole number.

RESULTS:

The most frequently reported symptoms from exposure to smart meters were (1) insomnia, (2) headaches, (3) tinnitus, (4) fatigue, (5) cognitive disturbances, (6) dysesthesias (abnormal sensation), and (7) dizziness. The effects of these symptoms on people's lives were significant.

CONCLUSIONS:

Review of some key studies, both recent and old (1971), reveals that the participants' symptoms were the same as those reported by people exposed to radiofrequency fields emitted by devices other than smart meters. Interestingly, the vast majority of Victorian cases did not state that they had been sufferers of electromagnetic hypersensitivity syndrome (EHS) prior to exposure to the wireless meters, which points to the possibility that smart meters may have unique characteristics that lower people's threshold for symptom development.

PMID: 25478801