

MayorandCouncillors

From: Roland [rahoegler@shaw.ca]
Sent: October 5, 2011 3:48 PM
To: CityClerk
Cc: MayorandCouncillors
Subject: Council Meeting Oct .11 , 2011 Smart Meters
Categories: 01-0105-01 - Committees - Council - General, 01-0150-20-BCHY1 - BC Hydro

My Submission for the Tuesday Oct 11 2011 Council Meeting

To:

Richmond Council
 Council Meeting Tuesday Oct .11 , 2011

Re: Smart Meters

As we speak, BC Hydro is in the process of replacing the classic analog electric meters with the highly- touted " Smart Meter" . Apparently the City of Richmond was chosen as one of the first Local Gov'ts in BC to have these Smart Meters devices installed.

This begets the question of " *Why Richmond ?* " .

One could postulate a few possibilities

---- that Council supported Smart meters , given Richmond Council has many promoted " Green " Initiatives

----- that BC Hydro felt Richmond Citizens would be passive, compliant and malleable "guineau pigs" and that Richmond Council would not register any protest .

There is an enormous amount of information available re Smart Meters.

However, the overwhelming amount of the available information suggest not only that Smart Meters are not " Green " aka do not result in any significant energy conservation or savings to the Consumer,..... but in fact, the SmartMeter can be best summarized as a ticking time bomb with a vast array of negative , if not deadly impacts on people health , safety and privacy.

The literature submitted by BC Hydro to support Smart Meters is in fact deceiving, and appears to be regurgitated propoganda from the snake- oil salesman that have travelled the world and co-opted various utility companies, both public and private, to subject their clients to these ticking time bombs aka Smart Meters.

However, unlike many Utility companies elsewhere BC Hydro is owned by the the BC Public, has approx. 6000 employees , so I find it rather unseemly that these Public Servants and a few dozen MLA's are imposing this Smart Meter initiative onto 4 million BC citizens and in fact still praising it as in our best interests .

Given that Smart meters have been imposed in other jurisdictions throughout the world, enough evidence has been gathered to forewarn BC citizens, starting in our own City of Richmond

How about some FACTS (below) ...no more BC Hydro propoganda.

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California STOPS Smart Meters unless owner gives permission

CPUC President Michael Peevey issues ruling on Smart Meter delay programs

<http://burbankaction.wordpress.com/2011/09/22/cpuc-president-michael-peevey-issues-ruling-on-smart-meter-delay-programs/>

So now, according to Mr. Peevey's ruling, by Monday, September 26, 2011, SCE, PG&E and SDG&E (also called IOUs) must now meet certain requirements in their delay programs. Here is an excerpt from his ruling (and we've **bold-faced** certain words):

IT IS RULED that no later than three business days after the mailing date of this Assigned Commissioner's Ruling, Pacific Gas and Electric Company, Southern California Edison Company, and San Diego Gas & Electric Company shall include the following requirements as part of their procedures for customers who currently have analog meters and wish to delay installation of a smart meter:

1. The investor-owned utility (IOU) shall provide information on its website that if a customer currently has an analog meter, the customer may request a delay in the installation of a smart meter. The information shall include instructions for how the customer may make such a request.
2. The IOU shall provide the customer sufficient advance notice that a smart meter will be installed so that the customer may request that installation be delayed.

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3. Any customer who currently has an analog meter and requests a delay in the installation of a smart meter **shall be placed immediately** on a "delay list."

4. Once a customer has been placed on the delay list, **a smart meter shall not be installed** at the customer's location unless:

a. The customer contacts the IOU and requests that he/she be removed from the delay list; or

b. The IOU sends a letter to the Commission's Executive Director for authority to install a smart meter at the customer's location. A copy of that letter shall also be sent to the affected customer.

The IOU must receive written authorization from the Executive Director before installing a smart meter at any customer account on the IOU's delay list.

To read the entire ruling, go here: <http://docs.cpuc.ca.gov/efile/RULINGS/143742.htm>, or here: <http://docs.cpuc.ca.gov/efile/RULINGS/143742.pdf>

**** *It should be duly noted that CALIFORNIA was the first U.S. state to impliment the SMART METER Program*****

Question.....do we ignore the lessons CALIFORNIA has learned from its own citizens ?

COST SAVINGS ?

http://www.ct.gov/ag/lib/ag/press_releases/2011/020811clpmeters.pdf

JEPSEN URGES STATE REGULATORS TO REJECT CL&P'S PLAN TO REPLACE ELECTRIC METERS

For Immediate Release TUESDAY FEB. 8, 2011

HARTFORD – Connecticut Light & Power Co.'s plan to replace existing electric meters with advanced technology would be very expensive and would not save enough electricity for its 1.2 million customers to justify the expense, Attorney General George Jepsen said Tuesday.

Jepsen made the comments in a brief filed Tuesday with the state Department of Public Utility Control, which is reviewing CL&P's request to replace all existing meters with "advanced meter infrastructure." The company also asked regulators to guarantee that the company will be allowed to recover its full cost of installation before the department actually evaluates what the costs actually were and whether those costs were reasonable.

"CL&P's proposal would force the company's ratepayers to spend at least \$500 million on new meters that are likely to provide few benefits in return," Jepsen said. He urged the regulators to "continue to evaluate emerging meter system technologies as well as other conservation programs" and only approve installation of the advanced meters when they are cost effective.

To evaluate the technical capabilities and reliability of the advanced metering system, state regulators previously approved a limited study of 10,000 meters. Between June 1 and Aug. 31, 2009, CL&P tested the meters on 1,251 residential and 1,186 small commercial and industrial customers, who volunteered and were paid for their participation in the study. The company reported its results to the DPUC on Feb. 25, 2010.

"The pilot results showed no beneficial impact on total energy usage," Jepsen said. "And, the savings that were seen in the pilot were limited to certain types of customers and would be far outweighed by the cost of installing the new meter systems," he said.

Also, the existing meters, installed between 1994 and 2005, have a useful life of 20 years and replacing them early would incur additional costs for customers, Jepsen said.

Assistant Attorneys General Michael C. Wertheimer and John S. Wright are representing Jepsen before the DPUC.

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CONTACT: *Susan E. Kinsman, susan.kinsman@ct.gov; 860-808-5324; 860-478-9581 (cell)*

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COMMENT:

It should be duly noted that unless Smart Meters bypass the basic Laws of Physics, they inherently CONSUME power 24/7/365 as they collect and transmit data, to collectors approx. one mile away.

Who pays for this additional power 24/7/365that the analog meters never required?

Health Affects

A percentage of the population is inherently sensitive to RF and EMF ,and moreso young children

PET OWNERS should also be concerned as Pets have shown to be particularly sensitive to Smart Meters radiation

The signals from Smart Meters have numerous effects to health, attacking the body at the cellular level.

They are deemed by one expert as a " *public invasion of your biology*".

Transmitting Smart Meters Pose A Serious Threat To Public Health

<http://www.electricalpollution.com/smartmeters.html>

QUOTE:

Taking the steps on the Solutions page can help alleviate symptoms being caused by the meters. Meters could be properly engineered so that they would not be highly electrically polluting. Whether deliberate or inadvertent, studies are finding high frequencies on building wiring is related to a host of health problems. Milham and Morgan found a dose-response relationship between high frequencies present on building wiring and cancer. Removing high frequencies on building wiring has improved MS symptoms, blood sugar levels, asthma, sleep quality, teacher health, headaches, ADD, and numerous other health problems

Privacy Concerns

Numerous concerns be various a parties that the information transmitted by the Smart Meters can be hacked by 3rd parties, allowing them to determine vacancy of a given premises ie burglary.

Smart Meters are apparently designed to detect time of useage and distinguish between various appliances ie a blowdryer, refrigerator, hood fan, etc. ie electronic fingerprint.

Such data / information can be collected and submitted to outside parties ie marketing companies etc

(2) Excellent videos (below) on **Health Effects and Privacy Concerns**

Smart Meter Radiation Dangers Dark Side

Part 1

<http://www.youtube.com/watch?>

[v=ZVRCUjeY4Z0&feature=results_video&playnext=1&list=PL4879B49E19A4F968](http://www.youtube.com/watch?v=ZVRCUjeY4Z0&feature=results_video&playnext=1&list=PL4879B49E19A4F968)

Part 2

http://www.youtube.com/watch?v=MKgkEVY-al8&feature=results_video&playnext=1&list=PL4879B49E19A4F968

Part 3

http://www.youtube.com/watch?v=Y-b2ZqtW1v4&feature=results_video&playnext=1&list=PL4879B49E19A4F968

Death By Smart Meter

Part 1

<http://www.youtube.com/watch?v=sKoiFJFRy0M>

Part 2

<http://www.youtube.com/watch?v=cK67pYmquD8>

Safety Concerns

http://emfsafetynetwork.org/?page_id=1280 *****NUMEROUS EXAMPLES*****

Wireless Smart Meters and Potential for Electrical Fires

Commentary by Cindy Sage, Sage Associates and James J. Biergiel, EMF Electrical Consultant July 2010

Typical gauge electrical wiring that provides electricity to buildings (60 Hz power) is not constructed or intended to carry high frequency harmonics that are increasingly present on normal electrical wiring. The exponential increase in use of appliances, variable speed motors, office and computer equipment and wireless technologies has greatly increased these harmonics in community electrical grids and the buildings they serve with electricity. Harmonics are higher frequencies than 60 Hz that carry more energy, and ride along on the electrical wiring in bursts. Radio frequency (RF) is an unintentional by-product on this electrical wiring.

It may be contributing to electrical fires where there is a weak spot (older wiring, undersized neutrals for the electrical load, poor grounding, use of aluminum conductors, etc.). The use of smart meters will place an entirely new and significantly increased burden on existing electrical wiring because of the very short, very high intensity wireless emissions (radio frequency bursts) that the meters produce to signal the utility about energy usage.

There have now been electrical fires reported where smart meters have been installed in several counties in California, in Alabama, and in other countries like New Zealand. Reports detail that the meters themselves can smoke, smolder and catch fire, they can explode, or they can simply create overcurrent conditions on the electrical circuits.

Electrical wiring it is not sized for the amount of energy that radio frequency and microwave radiation. These unintended signals that can come from new wireless sources of many kinds are particularly a worry for the new smart meters that produce very high intensity radio frequency energy in short bursts. Electrical fires are likely to be a potential problem.

Electrical wiring was never intended to carry this – what amounts to an RF pollutant – on the wiring. The higher the frequency, the greater the energy contained. It's not the voltage, but it is the current that matters. RF harmonics on electrical systems can come from computers, printers, FAX machines, electronic ballasts and other sources like variable speed motors and appliances that distort the normal, smooth 60 hertz sine wave of electrical power and put

bursts of higher energy RF onto the wiring.

Wireless smart meters don't intentionally use the electrical system to send their RF signal back to the utility (to report energy usage, etc). But, when the wireless signal is produced in the meter... it boomerangs around on all the conductive components and can be coupled onto the wiring, water and gas lines, etc. where it can be carried to other parts of the residence or building.

It is an over-current condition on the wiring. It produces heat where the neutral cannot properly handle it. The location of the fire does NOT have to be in close proximity to the main electrical panel where the smart meter is installed.

A forensic team investigating any electrical fire should now be looking for connections to smart meters as a possible contributing factor to fires. Every electrical fire should be investigated for the presence of smart meter installation.

Were smart meters installed anywhere in the main electrical panel for this building? For fires that are 'unexplained' or termed electrical in nature, fire inspectors should check whether smart meters were installed within the last year or so at the main panel serving the buildings. They should question contractors and electricians who may have observed damage from the fire such as damage along a neutral, melted aluminum conductor or other evidence that would imply an overcurrent condition. They should also look for a scorched or burned smart meter, or burn or smoke damage to the area around the smart meter. Problems may be seen immediately, with a smart meter smoking or exploding. Or, it may be months before the right conditions prevail and a neutral circuit overloads and causes a fire. The fire may or may not be right at the smart meter. Some questions that should be asked include:

Were smart meters installed in the main electrical panel for this building? Problems may be seen immediately, with a smart meter smoking or exploding. Or, it may be months before the right conditions prevail and a neutral circuit overloads and causes a fire. The fire may or may not be at the smart meter.

Any smart meter installed in a main panel might start an electrical fire in that building; it would not be necessary for the unit itself to have a smart meter. The RF emissions from any smart meter in the main panel might trigger an electrical fire at any location in the building served by this main panel because harmonics can and will travel anywhere on electrical wiring of that building.

Is there damage at the smart meter itself (burning, scorching, explosion)?

Was there fire damage, a source, or a suspicious area around the neutral where it connected to the main panel or at the breaker panel?

Was the damage around a lug at a connection on the neutral conductor in the attic at Xanadu? Was there any indication of heating or scorching or other thermal damage around the neutral in the area of the fire?

Was aluminum conductor present? Aluminum conductors that were installed in the '70s are today recognized as more of a problem for heating than copper wire. Was the aluminum, if present, showing heat damage or melting?

Even before smart meters were being installed widely in California, people who know something about EMF and RF were expressing concerns that this kind of thing would likely happen (electrical fires due to overcurrent condition from RF signal). What is already postulated, and of concern, is that the rising use of equipment that put RF harmonics onto the electrical wiring of buildings may overload that wiring. Faulty wiring, faulty grounding or over-burdened electrical wiring may be unable to take the additional energy load.

Comment: How much of this will we experience in Richmond ?

Too many variables given the huge diversity in currently established homes etc.

Power companies appear notorious for blaming the victim (client) shortly after Smart Meters are installed and problems arise.

This BC HYDRO e-mail was received from a family friend

CNCL-81

10/06/2011

----- Original Message -----

From: Smart Meters

To: XXXXXX

Sent: Tuesday, October 04, 2011 8:49 PM

Subject: RE: smartmeters

Dear XXXXXXXX

We do not have an opt out option. BC Hydro is committed to working with you to understand your specific concerns. The options available to you will depend on your individual concerns and circumstances. In addition, the costs associated with customization will also vary depending on your unique circumstances.

At this time, your concerns have been noted on your account for the address XXXXXXXXXXXX Richmond BC and a smart meter will not be installed until we have communicated with you further.

The decision to move forward with the Smart Metering Program was based on a thorough evaluation of the technology and options available, extensive discussions with other utilities, and the incorporation of those lessons into our program.

For the address you stated below – XXXXXXXX Richmond, our records indicate you are not the customer of record for this premise. In accordance with the British Columbia *Freedom of Information and Protection of Privacy Act* we can only engage with the account holder.

BC Hydro is committed to providing accurate and timely information about the Smart Metering Program, and all current information about the Smart Metering Program, including the business case, can be found at bchydro.com/smartmeters

Please do not hesitate to contact us further if you have any other questions.

Sincerely,

Smart Metering Specialist Team

Smart Metering and Infrastructure Program

BC Hydro P: 1-800-224-9376

email: smartmeters@bchydro.com

LEGAL LIABILITIES

I would also like to cite a portion of the Local Gov't Act

http://www.bclaws.ca/EPLibraries/bclaws_new/document/ID/freeside/96323_19

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Division 3 — Fire Protection

Special fire protection powers

522 (1) Subject to the *Fire Services Act* and the regulations under it, a board may, by bylaw, do one or more of the following:

(a) authorize the fire chief to

(i) enter on property and inspect premises for conditions that may cause a fire, increase the danger of a fire or increase the danger to persons or property from a fire,

COMMENT:

If the Smart Meter become a quantified fire hazard, AS HAS BEEN THE EXPERIENCE ELSEWHERE (OTHER COUNTRIES) beyond normal probabilities, does this not imply the City of Richmond, under the Act, may be legally obligated to order their removal , or perhaps be held legally liable ?

BC Public Health Act

http://www.bclaws.ca/EPLibraries/bclaws_new/document/ID/freeside/00_08028_01#part6_division6

Division 6 — Local Governments

Role of local government

83 (1) A local government must do all of the following:

(a) if the local government becomes aware of a health hazard or health impediment within its jurisdiction, take an action required by a regulation made under section 120 (1) (a) [*regulations respecting local governments*], or, if no regulation applies, either

(i) report the health hazard or health impediment to a health officer, or

(ii) take an action the local government has authority to take under this or another enactment to respond to the health hazard or health impediment;

(b) provide health officers with information the health officers require to exercise their powers and perform their duties under this Act;

(c) consider advice or other information provided to the local government by a health officer.

COMMENT:

AGAIN, If the Smart Meter become a quantified health hazard, AS HAS BEEN THE EXPERIENCE ELSEWHERE (OTHER COUNTRIES) beyond normal probabilities,..... does this not imply the City of Richmond may be legally obligated to Report the matter to the appropriate authorities , order their removal , or again perhaps the City be subject to possible litigation ?

Finally**France Bans Cell Phones in Primary Schools**

<http://electromagnetichealth.org/electromagnetic-health-blog/france-bans-cell-phones-in-primary-schools/>

While Jouanna contends there has been no conclusion drawn regarding risks from antennas, as distinguished from cell phones, ElectromagneticHealth.org calls your attention to research included in "Public Health SOS: The Shadow Side of the Wireless Revolution" from Santini 2001, La Presse Medical. The research outlines symptoms of people in the vicinity of cellular phone base stations. See "Frequency of Electro-Hypersensitivity Symptoms Based on Distance to Cell Phone Base Station".

Symptoms attributed to the proximity to cell phone bases stations in the Santini study included: fatigue, sleep disturbances, headaches, feelings of discomfort, difficulty concentrating, depression, memory loss, visual disruptions, irritability, hearing disruptions, skin problems, cardiovascular changes, dizziness, loss of appetite, movement difficulties and nausea.

COMMENT :

It appears that many parts of the world are now stepping back and reviewing the entire issue of RF and EMF pollution, whether it be Cell Phones, Wi Fi. etc etc.



In Summary;

I think the evidence is quite clear that the Smart Meter experience is creating public revolts within various global jurisdictions whereby the various Utility companies have tried to impose the Smart Meter devices under the false god of "Go Green", and in doing so, willing to risk the Health ,Safety and Privacy of their very own clients.

The City of Richmond has promoted itself as a disciple of the "Go -Green" agendas, with such things as Tree Bylaws, Pesticide Bylaws , Soil Bylaws etc. etc.

However, just because we can't *hear, ..see, ..taste. smell or touch* RF and EMF does not mean it does not exist, but perhaps this makes it the most insidious type of environmental pollution , and I stress that word **P-O-L-L-U-T-I-O-N.**

We are at a juncture here where we can all send a strong UNITED message to the small minority of vested interests that ultimately gains from this insidious Big Brother device. aka Richmond citizens are not " BC Hydro Guinea Pigs " .

" SMART METERS ?

NOT on MY propertyand NOT in MY City

Regards

Roland Hoegler

6560 #4RD

Richmond BC

MayorandCouncillors

From: Roland [rahoegler@shaw.ca]
Sent: October 5, 2011 3:52 PM
To: CityClerk
Cc: MayorandCouncillors
Subject: Fw: Smart Meter Program
Categories: 01-0105-01 - Committees - Council - General, 01-0150-20-BCHY1 - BC Hydro

Please add this (Photo) to the Tuesday OCT 11 , 2011 Council Meeting agenda

RAH

----- Original Message -----

From: Smart Meters
To: Roland
Sent: Tuesday, September 20, 2011 12:21 PM
Subject: FW: Smart Meter Program

Dear Mr. Hoegler,

Thank you for confirming your address.

Please see below a map showing three green stars where the nearest collectors will be located.

Collectors are spread out in a region and are located on service poles 18 to 24 feet above ground. Each collector typically covers a large area over several blocks.

Sincerely,

Smart Metering Specialist Team



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