



Smart Metering & AMI - What's needed to deliver optimum efficiency?

PANEL DISCUSSION

Marion Fraser, Fraser & Company

Jonathan Ziegler, Onzo

Paul Shervill, Ontario Power Authority

Rick Stevens, Hydro One

Smart Metering and AMI Conference & Exhibit
Monday, November 30, 2009 - Royal Botanical Gardens

Perceptions and Expectations:

Or Beauty is in the Eye of the Beholder

A little learning is a dangerous
thing

The proof of the pudding is in the
eating

I'm from Missouri – Show me
Fool me once – shame on you;
Fool me twice – shame on me

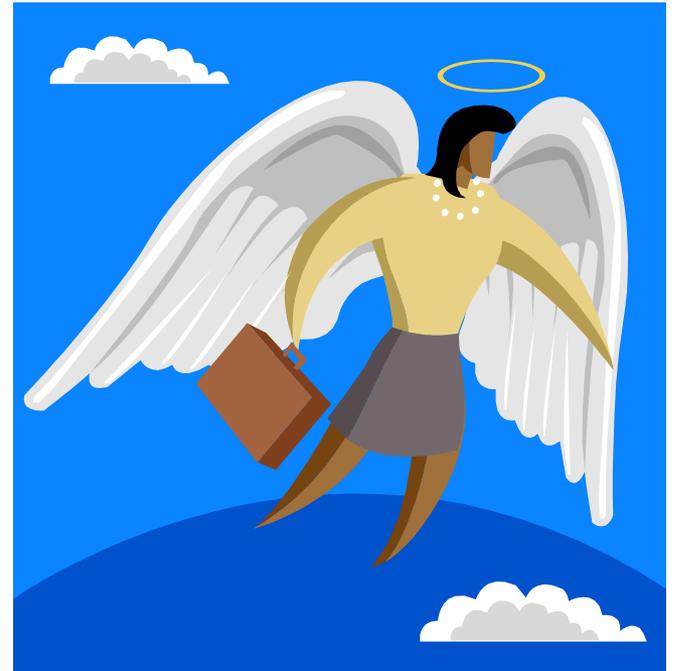
Promises, Promises!



Perspectives



THE GOOD



Innovation Moving Forward

Utilities Kingston (UK) today announced a partnership with leading-edge asset management technology provider Fuseforward™ to develop a comprehensive "Intelligent Utility" solution to support all aspects of utility management, including customer relations and billing, operations, service and maintenance management, financial management and reporting, and performance analysis.

UK and Fuseforward will partner to market the resulting system to utilities throughout North America.



Thunder Bay News Watch

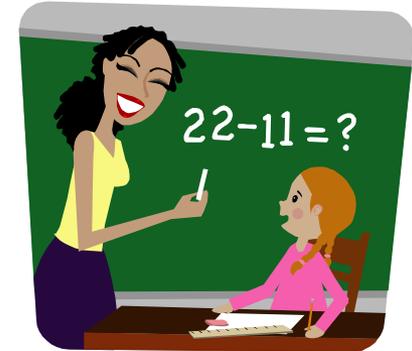
Thunder Bay Hydro began switching to the new meters in April, and now 95 per cent of the 48,000 smart metres in the city have now been installed, with around 2,000 to be completed in the spring next year.

Hydro vice-president Tim Wilson wants to clear up the misconception that time-of-use rates are already in effect.

He said it will take more than a year before customers see their hydro bills impacted.

Wilson says time-of-use rates will not take effect until 2011.

Until then, Thunder Bay Hydro will begin educating consumers about energy saving techniques such as reducing phantom load, and buying energy-efficient appliances.

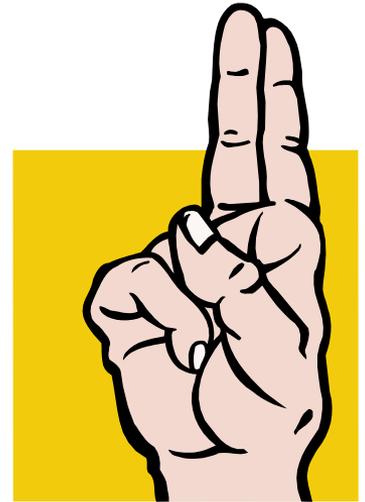


Education

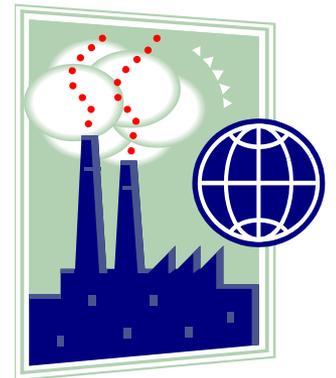
Consumers' Council of Ontario

The objective of the initiative is to benefit Ontario electricity consumers through potential bill reductions resulting from both the use of less electricity and shifting use from peak demand periods.

Environmental benefits are also expected, as reducing peak demand helps, in turn, reduce the use of fuel sources considered most detrimental to the environment.



Promise



Sub metering for Condos.com

What difference will sub metering make?

Research has shown that within a typical condominium complex about 60 percent of residents will see a net reduction in their monthly costs due to reductions in energy consumption.

About 20 percent of residents will experience no net change in monthly expenses while the remaining 20 percent will see their monthly costs increase.

Sub metering provides the information and incentive necessary to use electricity more cost-effectively and reduce their expenses.

Previously, when a flat electrical fee was charged, either separately or as part of a condominium fee, 60% of the residents who were conservers of energy were subsidizing the other 40% who were either indifferent or heavy users of electricity.



User Pays



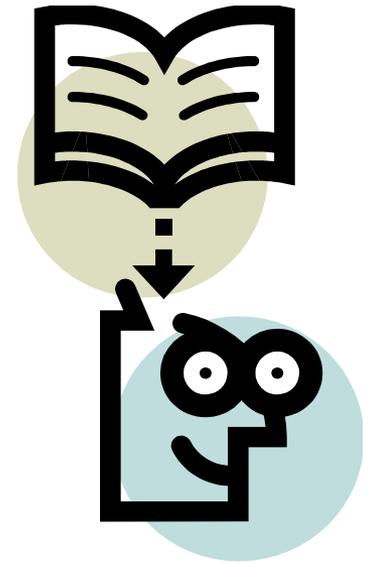
Oil Drum Blog: ... Dissenting Comment

It's totally smart. The cost of IT is negligible compared to the cost of energy. One hope we have is being much, much smarter about how we use energy.

The grid is a monopolistic controlled dumb animal. It's amazing how almost unanimously people in the industry fight the idea that more information can help the process become more efficient.

We actually haven't even begun to think of ways we can better generate, distribute, and consume electricity if we had more information, yet the utilities and "consumer" advocates bitch and moan about how more information is too expensive.

Everyone needs to create and learn news way of using energy. Information is infinite, fossil fuels aren't.



Knowledge



Thunder Bay News Watch: ... Dissenting Comment

Get over it, get educated and manage your electricity, that's all. This is no conspiracy. Ontario needs generating capacity and the smart meters are tools for price risk management. The real catastrophe was the California system in 2001. Google that.



Take Control

Perspectives

THE BAD



Thunder Bay News Watch: Smart meters NOT SO SMART! CONSUMER BEWARE!

After months of high bills, and doing everything I could do to curb my usage, my bills were still high.I requested that my meter be checked or changed. Two people from Hydro One showed up to "test" my smart meter. They spent the first part of our meeting in my lane way, telling me that the meters are never wrong,...

Perhaps that WAS the case with old analog meters, with gears and magnets, but it is definitely NOT the case with my new Smart meter.

After removing my meter and hooking up their test equipment, between the meter and the house, they ran the test, High load (30 amp) and Low load (3 amp).

I watched the display closely as it displayed 173.x% high load and 173.x% low load.

You should have seen them, the look on their face was shocking, they re did everything a second time, checking each step, SAME RESULTS! After getting another similar meter, from a different manufacturer, from their truck, they ran the tests again, with this meter in place of mine. The substitute meter was reading at 100%.



From: Ontario Landlord & Tenant Law

by RUSS INNANEN

Former President of Ontario Property Owners Advisory Service

The Hydro One website says a whole lot about how clever these metes are but in strange rambling rhetoric. Here's what I made of all that Hydro Hype:

It's compulsory, and it's law. You have to let the Hydro Hipsters change your meter. It's painless they say. All your ignorant meters will be changed to smarter meters by 2010, or else. The meters will be monitored by radio waves sent bounding through the air over to Hydro One Central Command.

Don't kid yourselves. Smart meters are a clever way to increase Hydro rates for heavy usage times. That means ever increasing rates for landlords who have no control of when their tenants choose to consume. This is what's happening kids, Ontario landlords, screwed by Ontario Hydro, aided and abetted by Ontario Government.



Muddy York: Toronto Real Estate Blog

Many homeowners in Ontario have heard of Smart Meters, and soon those who have not will have to: the provincial government has mandated that all homes in Ontario have Smart Meters installed by the end of 2010.

According to a recent Canadian Ipsos-Reid survey, about one-third of Ontarians who use the internet are completely unaware of Smart Meters, and only one-quarter of Canadians outside Ontario have even heard of them.

After having the Smart Meter concept explained to them, 37 per cent of online Canadians became only “somewhat interested” in Smart Meters, contrasted by the 23 per cent who were “extremely interested” and finally, four out of ten Canadians are just plain not interested in Smart Meters.



Perspectives



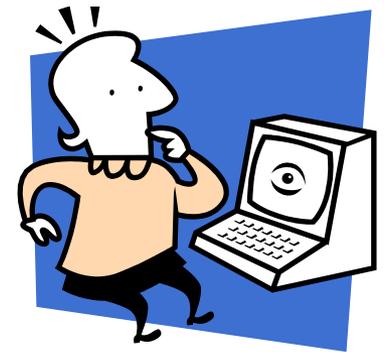
THE UGLY



Your smart meter is watching

Ann Cavoukian – Ontario's Privacy Commissioner

Information proliferation, lax controls and insufficient oversight of this information could lead to unprecedented invasions of consumer privacy. Intimate details of individual hydro customers' habits, from when they eat, when they shower, to when they go to bed, plus such security issues as whether they have an alarm system engaged, could all be discerned by the data, automatically fed by appliances and other devices, to the companies providing electric power to our homes.



Big Brother?

Burlington Post Article

Penny Gudgeon said she opened her bill last week and was “stunned by the huge increase in kilowatt hours charged since the smart meter was installed at my home.” Her hydro use rose to 1,725 kWh, she said, a 52 per cent increase over the same time last year and over the previous billing period.

Having lived in her current home for four years, she’s at a loss to explain the spike, especially when she was away last month for a week. “I live alone except (with) my dog and I’m pretty sure she’s not been partying it up in my absence.



Burlington Hydro certainly will be getting a blast from me on Monday.”



Blog Entry from California

This is just asinine (sic), the idea is to be more efficient or use fewer resources to achieve a goal.

So consider the development and continuing cost to develop these devices, maintain network for monitoring, build scanner devices to read, manpower to monitor, and overhead to manage policies, staff to answer questions for !!

OMG!! the billing lingo, and the headaches of trying to figure out a electric bill with trumped up charges and fees like our phone bill.. FCC penalty charge... Intergalactic toll assessment.. interplanetary access fee... no thanks, count me the %&\$# OUT!!!! Big brother has enough ways to steal from and control us as it is... "They" got Obama into office didn't "they" ?!

