What are 'Smart' Meters?

'Smart' meters send and receive information to and from utilities via meter and cell tower antennas using powerful radiowave and microwave **high frequency** bands. Digital electronics & switch-mode power and digital electronics can add **low frequency** radiation.

Smart meters collect data and remotely turn electricity and devices on or off.

Why does Industry Push 'Smart' Meters?

Reason #1 is money & data. ***Private information*** *from 'smart' meters is going to be* ***worth over 2.2 Trillion*** *per year, according to Miles Keogh, grant & research director at the Nat'l Assoc. of Regulatory Utility Commissioners.* Just in 2009, federal government provided as incentive **3.4 billion** plus **100 million** for workforce training for 'smart' meters.

Reason #2 is, utilities *claim*, reducing or cutting electricity to prevent blackouts or fires by turning off or redirecting power. Industry ignores solutions like *safer electrical design*, upgrading infrastructure, education, and decentralization of power supplies.

Reason #3 is billing incentives. Smart meters can lower or raise costs of energy use depending on time or energy type.

'Smart' Meter Dangers & Costs:

Privacy: 'Smart' meters can identify from motor or 'smart' tags what is being used and when: TV shows, medical equipment, treadmill use, showering time, medical equipment . . . Data can be sold to insurance companies, stalkers, given to police, subpoenaed, etc. *[See EPIC.org for more]*

Security: Off-grid, decentralized utilities are safer. Hackers can identify high priced items, remotely turn on or off devices, & see who is home. *[Search grid hacking]*

Health & Fires: Smart meter radiation pulses 24/7 and equal to or greater than a nearby cell tower. Reports of disrupted wellbeing, headaches, nausea, stroke, & sensitivity have led to successful court cases. 'Smart' meter electrical design is connected to surges, explosions, and fires. https://maisonsaine.ca/sante-et-securite/electrosmog/smart-meters-correcting-gross-misinformation.html **(Risks letter by 50 Scientists)** http://emrabc.ca/?page_id=3514 **(Fires)**

Costs & Billing: *Utilities are to recover costs!* Modernization in MA was filed as 1.3 billion over 10 years just by National Grid. For just the Worcester, MA, pilot through 2014, NGrid wanted $11 million more. 'Smart" meters average billing upwards & the costly meters (c. $400) fail after 5 years – analogs last 20.

"[Time of use billing] can negatively impact low income customers who cannot shift load due to medical or other conditions. . . Most residential customers do not have sufficient load to benefit . . ."
~Eversource, 9/2015

Social Injustice: The poor struggle to pay opt-out fees or access green tech or cheaper time of use, so would subsidize the rich. Residents in condominiums or densely-packed neighborhoods have more intensive radiation exposure.

Energy Costs: Electrical demand has increases from powering 'smart' components, growing data points, & injection of low frequencies from 'smart' meters. *Instead of billions for the 'smart' grid, support sustainable, local economies; off-grid systems; & better electrical design.*

What about Alternatives?

All meters *may* have switch-mode power & digital electronics that emit radiation. 'Smart' meters transmit data one way wirelessly, equally or less often and powerful. Analog meters are best, being mechanical meters, storing only total utility costs.

Join LastTreeLaws.com!

Writing legislation, laws. Contact:

- **lasttreelaws.com** via **action@**
- **lasttreelaws** using **@pm.me**

Flyer by Kirstin Beatty (Beatty.fyi) circa 2016, update 2020.