

From: Reguly, Ted
Sent: 9/10/2010 8:30:56 PM
To: Gupta, Alope (aloke.gupta@cpuc.ca.gov)
Cc: Giles, Rebecca (RGiles@semprautilities.com); Meadows, James L (/O=PG&E/OU=Corporate/cn=Recipients/cn=J7M2); Devereaux, William (/O=PG&E/OU=CORPORATE/CN=RECIPIENTS/CN=WFD4); Turman, Jim (JTurman@semprautilities.com); Trial, Allen (ATrial@semprautilities.com); 'Kenneth.Devore@sce.com' (Kenneth.Devore@sce.com)

Bcc:

Subject: Re: EMF/RF studies?

Alope To date SDG&E has gotten very few complaints. □ Our most notable is one customer living in a condo complex that has asked for all of the meters at her condo be removed. □ As I have mentioned to you we have declined her request. Below □ is some insight from Jim Turman SDG&E's RF and EMF safety expert. I am not aware of a study designed to do quite as described, though Rick Tell and Kenneth Foster (both mentioned in our talking points as references) have published exposure-related papers: Richard Tell has 38 years of experience working on issues related to RF hazards. During the first 20 years of his professional career within the Federal government, he worked first for the Center for Devices and Radiological Health and then for the U.S. Environmental Protection Agency (EPA) where he served as Chief of the Electromagnetics Branch. He supported the agency's program to develop a public exposure standard for RF fields and did extensive work related to RF instrumentation evaluation, computer modeling of antennas and national field studies to measure environmental levels of RF fields. During his tenure at the EPA, his program provided technical support to the FCC as they adopted new rules for human exposure to RF fields. For the past 18 years, Mr. Tell has pursued his own scientific consulting practice related to electromagnetic field exposure assessment. Richard Tell Associates, Inc., 1872 E. Hawthorne Avenue, Colville, WA 99114-9352, Tel. 509-684-9999 **Other established researchers and experts in the RF field include:** Dr. Robert Olsen is a professor and associate dean for undergraduate programs and student services at the College of Engineering and Architecture at Washington State University. Robert Olsen has a Ph.D. in electrical engineering with a focus in electromagnetism and circuits. He is also a fellow of the Institute of Electrical and Electronics Engineers (IEEE), which is the premier organization that provides guidance on industry standards on technology related to electricity. Dr. Kenneth R. Foster is a professor of bioengineering and electrical and systems engineering at the University of Pennsylvania. Ken studies the relationship electrical occupations and the possibility of health risks, technological risk and the impact of electrotechnologies on humans. His goal in this area is to examine technology, putting into perspective its relative risks and benefits to society. □ Population exposure to VHF and UHF broadcast radiation in the United States (abstract) (Tell, R.A.; Mantiply, E.D.; Proceedings of the IEEE, Jan. 1980, Volume: 68, Issue 1) □ Human Exposure to Radiofrequency Energy from Wireless Local Area Networks (online summary) (Foster KR. Radiofrequency exposure from wireless LANs. Hlth Phys 92:280-289; 2007) For a contact at UCLA, consider Dr Leeka Kheifets, former Head of the Radiation Studies Program at the World Health Organization, now Professor of Epidemiology in the UCLA School of Public Health. James Turman

Program Manager, Department & Employee Readiness

Safety and Emergency Services

Sempra Energy Utilities

Tel 858-650-4011

Fax 858-636-6910 **From:** Kenneth.Devore@sce.com [mailto:Kenneth.Devore@sce.com]

Sent: Thursday, September 09, 2010 4:32 PM

To: Gupta, Alope

Cc: Meadows, James L; Reguly, Ted; Devereaux, William

Subject: Re: EMF/RF studies? Alope,

Today's Wall Street Journal (Rebecca Smith) makes reference to studies/analysis conducted on this topic in

Europe. The article also contains a strong statement by the FCC.

I'm not aware of any local or regional studies existing or underway. We (SCE) have had only a handful (if that) of customer inquiries on this issue. (If you're hearing something different - please let us know.) We've only once dispatched an EMF/RF measurement team to address a customer's concerns and that engagement had a positive outcome.

We are tracking the progress of the request of Assemblyman Jared Huffman to the California Council on Science and Technology to take up this issue. Recent press reports indicate we may soon see some progress in this area.

Though I agree studies will be helpful. Having come through the "EMF issue" wars, it's important to recognize that this issue is highly personal and emotional. It will require sound science, message repetition and a great deal of patience. And ... even then ... those who truly believe there are impacts will likely not be persuaded otherwise.

Happy to discuss further with you tomorrow at our Quarterly Update Meeting.
Thks, KD

Ken Devore
Director, Edison SmartConnect
Customer Service Business Unit
Southern California Edison
P: (714) 232-7862, PAX: 44862
C: (626) 233-7076
kenneth.devore@sce.com

From: "Gupta, Alope" <aloke.gupta@cpuc.ca.gov>
To: "Devereaux, William" <WFD4@pge.com>, <Kenneth.Devore@sce.com>, "Reguly, Ted" <TRReguly@semprautilities.com>, "Meadows, James L" <J7M2@pge.com>

Date: 09/09/2010 03:49 PM
Subject: EMF/RF studies?

Gentlemen:

I am getting frustrated with the "EMF/RF issue", which seems to come back again and again (I am also seeing signs of it starting to spread to LA and SD areas).

Is anyone aware of ANY studies that include data, let's say, "ambient" levels of RF emissions (presumably at certain frequencies of interest) at random points in the field (different parts of a house/apt. complex, in the neighborhood, street, parks, etc.) with the RF Mesh/meters deployed and with NO deployment in the area? If not, how hard would it be to do this. In such a study, presumably the data would need to be collected over some interval to determine the cumulative, as well as instantaneous, exposure levels. It should be a study NOT funded by IOUs. Perhaps a university could be persuaded to undertake such a study? I am at the point of reaching out to some, starting with UCLA, myself.

Aloke fam