



PO Box 1016 Sebastopol CA 95473 707-827-0109

February 2, 2016

Email delivery to: Mary Gourley <mgourley@cityofsebastopol.org>

Rich Emig <remig@cityofsebastopol.org>

cc: Sebastopol city council and city manager

We would like PG&E to address our concerns about LED streetlights by answering the following questions.

1. What are the technical specifications of the LED streetlights in kelvin and lumens?
2. Has PG&E investigated the reports by the DOE and IEEE about the health risks of flicker from inexpensive drivers? 2A. **If yes**, what has PG&E done to mitigate flicker?
3. Do the LED streetlights transmit microwave or radio frequencies? **If yes**: 3A. For what purpose?; 3B. Are there other future uses also possible, for instance: smart meter or cell infrastructure, internet, data, sound, or video capability?; 3C. Please describe the technical specifications of the antennas in terms of watts, antenna gain, frequencies used, mesh network, and pulsed frequencies; 3D. Please disclose the number of transmissions in a 24 hour period and the strength of transmission at the source and at ground level.
4. Have there been studies proving PG&E's LED streetlights reduce energy consumption, reduce greenhouse gas emissions and reduce maintenance costs? 4A. Is there proof of the length of their useful life? 4B. **If yes**, please provide verification.
5. In 2015 on the CPUC ESPI_Uncertain_List, PG&E is asked to update their assumptions on streetlight savings. Has PG&E completed this, if so please provide the results.
6. Does PG&E intend to recoup LED streetlight costs in their general rate case, which means customers pay?
7. Do the LED streetlights emit unintentional radiation onto the power lines? If so, how much?
8. Have there been any complaints about a hum or noise from the LED streetlights?

We ask PG&E to respond with answers to <emfsafe@sonic.net> no later than February 14 by 5pm, or sooner. Please call if you have questions or need clarification.

Thank you,

Sandi Maurer
Director, EMF Safety Network
707-827-0109