

From: Meadows, James L
Sent: 3/26/2010 3:29:09 PM
To: Gupta, Alope (aloke.gupta@cpuc.ca.gov)
Cc: Dietz, Sidney (/O=PG&E/OU=Corporate/cn=Recipients/cn=SBD4)
Bcc:
Subject: FW: dual sockets

Alope: as you requested, here is some background on two customer side-by-side tests that we did in Bakersfield last Oct/Nov. This was disclosed in data request response ED-003 question 9 in the fine print.

Jim

After the Bakersfield town hall meeting PG&E agreed to run "dual socket" meter tests when requested by customers. Two tests were requested. One at [Redacted] and one at [Redacted]
[Redacted]

The test on [Redacted] was started on 10/29/09 and completed on 11/13/09. On 10/20 PG&E tested the on-site meter, a L+G Smartmeter with the following results: Light Load = 1.001 and Full Load = .998. Both these test results are well within accuracy limits. On 10/29/09 PG&E installed a second meter in a dual socket and a second L+G electronic Focus meter (non-smartmeter). The non-smartmeter tested accurate at .999 and .997 Light Load and Full Load respectively. The dual socket enables both meters to measure the customer load and one meter also measures any energy used by the primary customer meter. The result on 11/13/09 at the test end was that both meters read within 1kWh of each other.

The second test on [Redacted] was different in one manner. The customer wanted the new SmartMeter to be compared with a traditional mechanical meter. PG&E complied but since we no longer buy those meters the field technician adjusted a meter that had been returned from the field. He was able to adjust this meter within specifications to 1.001 for both light load and full load. The existing Smart meter field tested .997 Light Load and 1.001 Full load.

The test period was 11/16/09 to 11/23/09. At the end of the test the mechanical second meter showed 2 kWh more usage than the SmartMeter. Usage displayed was 112 kWh and 114 kWh respectively. This is slightly below a 2% difference.

Jim I assume we could say the customer was satisfied with the results and PG&E did no further investigation. The 2% difference is most likely due to use of a used meter that would not have been handled carefully after being removed originally since we did not expect to re-use it.

[Redacted]

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