

From: [Redacted]
Sent: 4/4/2014 11:09:46 AM
To: 'Stephen.St.Marie@cpuc.ca.gov' (Stephen.St.Marie@cpuc.ca.gov)
Cc: Cherry, Brian K (/O=PG&E/OU=CORPORATE/CN=RECIPIENTS/CN=BKC7);
[Redacted]; [Redacted]
[Redacted]; [Redacted]
[Redacted]; [Redacted]
[Redacted]
Bcc:
Subject: average cost to light a typical home in PG&E's service territory, 1004 vs. 2014

Hello Steve,

In January you had asked Brian Cherry (cc'd, your initial email is pasted below) whether PG&E has estimates of the change in costs to our ratepayers for lighting a typical residence in PG&E's service territory over the past two decades. PG&E's evaluation group tasked contractor TRC to provide estimates of this change. Here's the short answer: **inflation-adjusted costs for lighting a typical home in the PG&E service territory have *decreased* 16%-25% in the past twenty years** (the decline depends on the estimation method used).

What's driving this decrease in costs even though lighting hours (that is, the average number of lamps installed times the average hours of use per lamp) have *increased* about 15% over the last 20 years? The fact that the increase in lamp efficacy has outweighed the increase in total lighting hours. The net result is that total electricity use dedicated to lighting has decreased, and that this decrease, when coupled with the slight drop in inflation-adjusted average residential PG&E electricity rates, has caused lighting-related electricity costs to drop slightly – from about \$344 in 1994 to \$289 in 2014 for the average residential ratepayer.

The attached documents provide greater detail on the estimates. We hope that you find this information to be useful. Please reach out to me if you have any questions.

Regards,

[Redacted]

Redacted

Learn about California's leading model for energy efficiency and how PG&E works with customers and stakeholders to achieve success in saving energy. www.CAEnergyEfficiencyModel.com

From: Cherry, Brian K
Sent: Monday, January 13, 2014 11:07 AM
To: St. Marie, Stephen
Cc: Dietz, Sidney
Subject: Re: Brian, who at PG&E would be best for me to call about a subject I am researching

Steve - good to hear from you. Did can help you with this.

Brian K. Cherry

PG&E Company

VP, Regulatory Relations

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On Jan 13, 2014, at 10:47 AM, "St. Marie, Stephen" <Stephen.St.Marie@cpuc.ca.gov> wrote:

Brian,

Long time, no chat.

As part of my work in the Policy and Planning Division, I am reviewing literature on the cost of energy-saving for a paper on the total cost of services derived from energy. For example, as we know, light bulbs have gotten more expensive as they have changed in technology. At the same time, the amount of energy they consume has declined. And the price customers pay for the electric energy itself has increased. So, counting all three factors, has the cost of the lighting service we consume risen or declined? This question can be asked about almost any energy related subject.

Probably there is a person at PG&E who knows more about the costs of lights, air conditioners, and every type of energy-consuming device than any other person on earth. I would like to find out who that person is and have a short conversation. Do you have a recommendation?

Yes, I am also looking into sources internal to the CPUC and at the CEC. But I do not want to lose the perspective that could be gained from hearing from you and from PG&E.

Happy New Year, I hope all is well,

-- *Steve*

Stephen St Marie

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