

Energy - Docket Optical System

From: brett@lehmengeologic.com
Sent: Wednesday, May 08, 2013 6:56 PM
To: Loyer, Joe@Energy
Subject: RE: Comments Received for discussion at the Thursday Working Group Meeting

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Hi Joe,
Maybe this is a rare issue, the only way I know about it is from recent experience.

I have a place above 6,000 feet elevation that is heated with propane and firewood. The propane powered furnace doesn't use very much electricity because we mainly use firewood. Our electricity bill however is pretty high and I suspect a result of heat tape on pipes, roof and stairs etc..during cold weather.

It is a challenge to stay within Tier 2. My recent GSHP design uses enough electricity to push us into Tier 3 which will be \$0.30/kWH. However getting off the propane and volume of firewood is appealing.

The GSHP puts us in the Tier 3 because it would demand more electricity (less propane though!).

Perhaps a utility could limit the maximum Tier to #2 when a GSHP was installed.

Thanks for listening. Its OK to let this one simmer and see how many others step forward with the same issue.

Thank you,
Sincerely,
Brett

----- Original Message -----

Subject: RE: Comments Received for discussion at the Thursday Working Group Meeting

From: "Loyer, Joe@Energy" <Joe.Loyer@energy.ca.gov>

Date: Mon, April 29, 2013 12:53 pm

To: "brett@lehmengeologic.com" <brett@lehmengeologic.com>

Hey Brett,

I've heard this issue before, but I'm having some trouble following the logic.

Most of the information I've followed show that GSHP can save about 50% of the energy that a common split system would use. If that's the case, then how would be that GSHP would push a home owner into the next pricing tier for electricity when compared against more conventional HVAC?

It's my experience (both personally and generally) that residential HVAC pushes the home owner into the next pricing tier. Are you saying that GSHP should get favorable pricing treatment over an conventional HVAC by virtue of them being renewable? If that's what your proposing, I think I'd need to know more about how you would suggest that the utilities work this out. The billing won't sense what is using the power, just how much the meter reads. Are you suggesting that the GSHP house be given different tier triggers?

I'm a little unclear on how to address this one.

-Joe

From: brett@lehmengeologic.com [<mailto:brett@lehmengeologic.com>]
Sent: Tuesday, April 23, 2013 10:14 AM
To: Loyer, Joe@Energy
Subject: RE: Comments Received for discussion at the Thursday Working Group Meeting

Hello Mr Loyer,

I am signed up to view the workgroup, but I have this comment about something that might help.

This issue was also presented by Marc Hoeschele during his presentation at the Workshop on March 21st.

GSHPs require electricity and some utility companies (such as PGE) calculate average baseline electric usage based on Territory. Within each Territory rates per Kwh are based on percent of baseline, and increase from Tier 1 to 2 to 3, and so on.

Electricity used by a GSHP can push a homeowner into the next Tier of pricing, which discourages use of a GSHP. For example going from Tier-2 to Tier-3 in Territory E1 ZB Res (Tahoe area), results in 100% increase in rates (\$0.15 to \$0.30 Kwh).

It would be positive and promote usage of GSHPs if the utility recognized this technology and limited rates to the highest Tier prior to GSHP installation. Or some other language that would be appropriate.

Thank you for your time and allowing my involvement.

Sincerely,
Brett Lehman, P.G.

----- Original Message -----

Subject: Comments Recived for discussion at the Thursday Working Group Meeting
From: "Loyer, Joe@Energy" <Joe.Loyer@energy.ca.gov>
Date: Mon, April 22, 2013 4:56 pm
To: "Ashuckian, Dave@Energy" <dave.ashuckian@energy.ca.gov>, "Barker, Kevin@Energy" <Kevin.Barker@energy.ca.gov>, Beth Morelli <beth@acgeo.net>, "Bohan, Drew@Energy" <Drew.Bohan@energy.ca.gov>, Brett Lehman <brett@lehmengeologic.com>, "Burgoyne, Daniel@DGS" <Daniel.Burgoyne@dgs.ca.gov>, Dan Bernstein <bernstein@gaiageo.com>, "Mehl, Dave@ARB" <dmehl@arb.ca.gov>, David Maul <dave@maulenergyadvisors.com>, Dennis Murphy <dennis@usgbc-california.org>, Donna Mills <dmills@psrec.coop>, "Geiszler, Eurlyne@Energy" <Eurlyne.Geiszler@energy.ca.gov>, "Green, Lynette@Energy" <Lynette.Green@energy.ca.gov>, "Miranda, Hazel@Energy" <hazel.c.miranda@energy.ca.gov>, Hazlyn Fortune <hcf@cpuc.ca.gov>, "Hoellwarth, Craig@Energy" <Craig.Hoellwarth@energy.ca.gov>, Jeff Guy <jguy@sierrapacificsales.net>, Jim Charters <jcharters@mitsair.com>, John Kreber <john@terrastructural.com>, John Townsend <john@greenequipmentoptions.com>, "Haas, Julie@DWR" <Julie.Haas@water.ca.gov>, Kent Penning <kent@greenequipmentoptions.com>, "Korosec, Suzanne@Energy" <Suzanne.Korosec@energy.ca.gov>, Lisa Meline <lisa@meline.com>, "Loyer, Joe@Energy" <Joe.Loyer@energy.ca.gov>, Manuel Alvarez

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Susan Nichol <snichol@coldcraft.com>

Hello All,

I got a couple of emails that I'm passing along.
One from Julie Haas regarding the well log data.
Comments from Marco Alves and John Kreber.

Just a reminder that the next working group meeting is this Thursday April 25th at 1pm, and if you are coming here to the Energy Commission it will be in the 3rd floor conference room-North B (3NB for short).

-Joe Loyer