

From: [Bijit Kundu](#)
To: [Hunt, Marshall](#)
Cc: ["Zhang, Yanda D." \(YDZhang@trcsolutions.com\)](#)
Subject: RE: AGA Furnace
Date: Wednesday, June 17, 2015 10:42:37 AM

Hi Marshall,

Sorry for the deluge of e-mails this morning. I wanted to get your temperature on the comments for the res furnace and boiler rule. Comments are due to DOE on July 10. The below internal schedule has ideal dates and then alternative dates. Will you and Yanda be able to put information together by the below schedule? Do you need support from ES?

Standards Comment Deadline

- 1-Page Issue Summary Form: June 19 (June 26 as an alternative)
- Draft Comment Letter: June 26 (July 2 as an alternative)
- IOU Approvals Deadline: July 10

Happy to set up a call to discuss if it would be easier.

Thanks,
Bijit

Bijit Kundu | (510) 482-4420 x261

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

From: Hunt, Marshall [<mailto:MBH9@pge.com>]
Sent: Monday, June 01, 2015 10:46 AM
To: Bijit Kundu
Cc: 'Zhang, Yanda D.' (YDZhang@trcsolutions.com)
Subject: RE: AGA Furnace

Bijit

We can delay till next week so that Yanda can complete his analysis of the California specific impacts. Also, ASAP is leading negotiations with AHRI which may result in an acceptable compromise but I want to keep out those meetings so that we have more flexibility.

Marshall B. Hunt
Professional Mechanical Engineer
Codes & Standards
Pacific Gas & Electric Company
415-260-7624
mbh9@pge.com

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

From: Bijit Kundu [<mailto:BKundu@energy-solution.com>]
Sent: Monday, June 01, 2015 10:11 AM
To: Hunt, Marshall
Subject: RE: AGA Furnace

OK Marshall,

I did not bring furnaces up. I would like to talk strategy with you about the furnace rules. Though we have some time, the deadline of July 10 will come up faster than we think. I unfortunately will not be available on Friday when you are going to be in our offices (that would have been the perfect time). Will you be available early this week to discuss or are you in DC for the commercial HVAC meetings?

Thanks,
Bijit

Bijit Kundu | (510) 482-4420 x261

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

From: Hunt, Marshall [<mailto:MBH9@pge.com>]
Sent: Monday, June 01, 2015 8:53 AM
To: Bijit Kundu
Subject: Re: AGA Furnace

Hold off for now

Sent from my iPhone

On Jun 1, 2015, at 11:49 AM, Bijit Kundu <BKundu@energy-solution.com<<mailto:BKundu@energy-solution.com>>> wrote:

Thanks Marshall.

I'm not on the ASAP distribution list, but are the other IOUs aware of the negotiation call? Is it with bringing up to the statewide call this morning? I know this is a topic that is internally sensitive, so I'll defer to you here.

Thanks,

Bijit Kundu
Energy Solutions

----- Reply message -----

From: "Hunt, Marshall" <MBH9@pge.com<<mailto:MBH9@pge.com>>>
To: "'Zhang, Yanda D.'" (YDZhang@trcsolutions.com<<mailto:YDZhang@trcsolutions.com>>)" <YDZhang@trcsolutions.com<<mailto:YDZhang@trcsolutions.com>>>,"
"Anderson, Mary" <M3AK@pge.com<<mailto:M3AK@pge.com>>>,"Pat Eilert" <PLE2@pge.com<<mailto:PLE2@pge.com>>>,"Bijit Kundu" <BKundu@energy-
solution.com<<mailto:BKundu@energy-solution.com>>>
Subject: AGA Furnace
Date: Mon, Jun 1, 2015 6:38 AM

FYI

Marshall B. Hunt
Professional Mechanical Engineer
Codes & Standards
Pacific Gas & Electric Company
415-260-7624
mbh9@pge.com<<mailto:mbh9@pge.com>>

From: Marianne DiMascio [<mailto:mdimascio@standardsasap.org>]
Sent: Monday, June 01, 2015 6:25 AM
To: Harvey Sachs
Cc: Andrew deLaski; Ben Longstreth; Charlie Harak; Charlie Stephens; David Lis; Elizabeth Noll; Jennifer Amann; Joanna Mauer; Kit Kennedy; Lowell Ungar; Hunt, Marshall; Meg Waltner; Mel Hall-Crawford; Mike Murza; Robin Roy; Steven Nadel; Timothy Ballo; Tom Eckman; Driskell, Kristen@Energy
Subject: Re: notes on Friday call, action items and next call Doodle

ACHR news article about furnaces today entitled: AGL, AGA refute the 92% standard

<http://www.achrnews.com/articles/129733-aga-refute-92-standard><[>](https://urldefense.proofpoint.com/v2/url?u=http-3A__www.achrnews.com_articles_129733-2Dagl-2Daga-2Drefute-2D92-2Dstandard&d=AwMFaQ&c=hLS_V_MyRCwXDjNCFvC1XhVzdhW2dOtrP9xQj43rEYI&r=NFEIWhf9TgrsB2jylwkJeQ&m=j0Okd3_uHZnKVf-GkdEmJQqWfZw7zOjMOMZZjKGloss&s=paHWgsa3XwAM48HMwoTKmzm81REJD3vN-fHap02OaDQ&e=)

On Sun, May 31, 2015 at 8:24 PM, Harvey Sachs <HSachs@aceee.org<<mailto:HSachs@aceee.org>>> wrote:

To no one's great surprise, I've gone through the document and made a few notes. WRT the "81+" concept, whether or not it's savings are well-established and the right size, I suggest we re-consider the prior round's agreement concerning "pre-approved waivers" for exceptionally difficult Northern installations. This would get around the whole Q of what size is big enough, and availability would presumably be assured by the 80/81 requirement for <3000 HDD areas. Might be simpler and easier to assure savings; might not be.

I've also added a few notes on mobile home furnaces, where principles will have to outweigh the savings potential: They seem to be predominantly southern (lower heating loads), and only ~50,000 units per year now, after the market collapsed.

Thanks,
harvey

From: "adelaski@standardsasap.org<<mailto:adelaski@standardsasap.org>>" <adelaski@standardsasap.org<<mailto:adelaski@standardsasap.org>>>
Date: Sunday, May 31, 2015 at 9:14 AM
To: Ben Longstreth <blongstreth@nrdc.org<<mailto:blongstreth@nrdc.org>>>,"charak@nclc.org<<mailto:charak@nclc.org>>" <charak@nclc.org<<mailto:charak@nclc.org>>>,"
Charlie Stephens <CStephens@neea.org<<mailto:CStephens@neea.org>>>,"djllis@neep.org<<mailto:djllis@neep.org>>" <djllis@neep.org<<mailto:djllis@neep.org>>>,"Elizabeth
Noll <enoll@nrdc.org<<mailto:enoll@nrdc.org>>>,"Harvey Sachs <hsachs@aceee.org<<mailto:hsachs@aceee.org>>>,"Jennifer Amann
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<Kristen.Driskell@energy.ca.gov<<mailto:Kristen.Driskell@energy.ca.gov>>>
Subject: Re: notes on Friday call, action items and next call Doodle

Two additional items on furnaces:

#1. AGA sent around a meeting invite for the next negotiation meeting. It is confirmed for Thursday June 11, 8 am to Noon ET at their offices. Please let me know if you will attend.

#2. I've attached here data Joanna pulled together on the available models today at various btu/hr input capacity. Note that Charlie Stephens observed on our Friday call that the sales are probably skewed more to 80 btu/hr and lower than the model distribution.

- Andrw

Andrew deLaski
Appliance Standards Awareness Project
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\(617\) 363-9470<tel:%28617%29%20363-9470>](https://urldefense.proofpoint.com/v2/url?u=http-3A__www.appliance-2Dstandards.org&d=AwMFaQ&c=hLS_V_MyRCwXDjNCFvC1XhVzdhW2dOtrP9xQj43rEYI&r=NFEIWhf9TgrsB2jylwkJeQ&m=j0Okd3_uHZnKVf-GkdEmJQqWfZw7zOjMOMZZjKGloss&s=4nX92f9dsOx3pfluD6TAZx7J4xMV3bae8cFZE_5tdw&e=)

On Sun, May 31, 2015 at 8:58 AM, Andrew deLaski <adelaski@standardsasap.org<<mailto:adelaski@standardsasap.org>>> wrote:

Hi ASAP furnace team: Thanks for a productive call on Friday. We decided at the end that we should talk again next week as a group. Below is a doodle poll (please respond by COB Monday so I can pick a time).

I've also written up some detailed notes from yesterday's call since some folks missed it and there are a lot of moving parts for all of us to keep track of. These notes are attached.

In the notes, I've noted specific action items discussed yesterday for several of you, including Marshall, Kristin, Elizabeth, Harvey and Steve.

I've also attached language Tim and Steve drafted on the building code provision which Steve asked me to share around.

Please continue to treat all of this information confidentially.

Doodle poll for call next week: <http://doodle.com/rzt5zk9agzmpstf3><https://urldefense.proofpoint.com/v2/url?u=http-3A__doodle.com_rzt5zk9agzmpstf3&d=AwMFaQ&c=hLS_V_MyRCwXDjNCFvC1XhVzdhW2dOtrP9xQj43rEYI&r=NFEIWhf9TgrsB2jylwkJeQ&m=j0Okd3_uHZnKVf-GkdEmJQQwfZw7zOjMOMZZjKGloss&s=f621k91TNnKgK9X4RxfTulp6jlsMSXiSILSCWHxP_IE&e=>

FYI: I'm traveling and in meetings all day Mon and Tues, so email is best bet if any of you wish to contact me.

- Andrew

Andrew deLaski

Appliance Standards Awareness Project

www.appliance-standards.org<https://urldefense.proofpoint.com/v2/url?u=http-3A__www.appliance-2Dstandards.org_&d=AwMFaQ&c=hLS_V_MyRCwXDjNCFvC1XhVzdhW2dOtrP9xQj43rEYI&r=NFEIWhf9TgrsB2jylwkJeQ&m=j0Okd3_uHZnKVf-GkdEmJQQwfZw7zOjMOMZZjKGloss&s=4nX92f9dsOx3pfluD6TAZx7I4xMV3bae8cFZE_5tdw&e=>
(617) 363-9470<tel:%28617%29%20363-9470>

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Marianne DiMascio

Appliance Standards Awareness Project

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