

From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Who to believe?
Date: Wednesday, June 13, 2018 12:09:50 PM

I also see the WSJ weighed-in:

[Global Investment in Wind and Solar Energy Is Outshining Fossil Fuels](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Who to believe?
Date: Thursday, June 14, 2018 10:20:29 AM

Power Engineering magazine chimed-in with the hoopla on June 12:
[Solar Becomes Largest Source of New Generation in First Quarter](#)

So far, as far as I can tell, the press hasn't picked-up on the Reuters contrary story.



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Using Electricity for Heat Creates Massive Carbon Reductions, RMI Finds
Date: Friday, June 15, 2018 3:59:18 PM

RMI makes a lot of claims and don't back it up with data that I can look at. Pay no attention to the man behind the curtain...trust me. I don't trust RMI...appears to me that they are playing games with the numbers to tell the story they want to tell.

Their load shapes make no sense. It looks to me like they force people to run their dryer when they can claim the most benefits. They also decide when to run your A/C. I don't believe most residential customers will let the electric company dictate when they run their appliances. They are charging your Tesla in the middle of the day...most people will charge their car overnight...they are not home during the day if they have a Tesla.

RMI had the answer before they studied it...then forced the data to justify the story.



[image.png 72.9 KB](#) • [Download](#)



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From: [Tom Tanton \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Using Electricity for Heat Creates Massive Carbon Reductions, RMI Finds
Date: Friday, June 15, 2018 5:58:04 PM

changing the load profile is called "DSM" don't you know. Even Californians rebelled when it was proposed that central dispatch would have authority to 'manage' your space conditioning (which in Ca is predominantly AC)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Using Electricity for Heat Creates Massive Carbon Reductions, RMI Finds
Date: Tuesday, June 19, 2018 10:54:00 AM

RMI is escalating the electrification war against gas end use.

Excerpts:

1. In many scenarios, notably for most new home construction, we find electrification reduces costs over the lifetime of the appliances when compared with fossil fuels.
2. Stop supporting the expansion of the natural gas distribution system, including for new homes. This infrastructure will be obsolete in a highly electrified future, and gas electrification is a lower-cost and lower-carbon solution than extending natural gas, either to new or existing homes.

Also note: AGA members National Grid and Xcel are listed in the acknowledgements as are 3 major US water heater manufacturers (Rheem, A.O. Smith and Bradford White).



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From: [Tom Tanton \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Using Electricity for Heat Creates Massive Carbon Reductions, RMI Finds
Date: Tuesday, June 19, 2018 11:32:16 AM

can someone, anyone, point me to the place in RMI report where they estimate the cost of grid expansion? or do they just assume demand side management will be enough? (somewhat not serious, as they've failed to account for the cost (and partially the emission) shift to outside the envelope. Put the cost onto somebody else and anything can be made cost effective.



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From: [Tom Tanton \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Using Electricity for Heat Creates Massive Carbon Reductions, RMI Finds
Date: Tuesday, June 19, 2018 11:40:36 AM

I'd also note that RMI used 3:1 peak:offpeak pricing (TOU) but didn't (apparently) account for Tiered pricing in California (the more you use, the higher the unit price)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Using Electricity for Heat Creates Massive Carbon Reductions, RMI Finds
Date: Tuesday, June 19, 2018 11:59:18 AM

In answer to you question about grid expansion cost, this is about as close as they get (@ page 52):

**RECOMMENDATION 3: BUNDLE
DEMAND FLEXIBILITY PROGRAMS,
NEW RATE DESIGNS, AND ENERGY
EFFICIENCY WITH ELECTRIFICATION
INITIATIVES
RATIONALE**

Widespread electrification will add substantial new load to the electricity system, and if not well managed could eventually impose large costs on the electricity system at both the bulk and local levels.



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From: [John Gregg \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Using Electricity for Heat Creates Massive Carbon Reductions, RMI Finds
Date: Wednesday, June 20, 2018 9:35:52 AM

This seems less a macro analysis but more squarely pointed at heat pump technological advances. You should feel free to move to a heat pump to save the environment. Needs an industry rebuttal.



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To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Using Electricity for Heat Creates Massive Carbon Reductions, RMI Finds
Date: Wednesday, June 20, 2018 9:45:33 AM

Consumers should be free to choose between advanced heat pumps or gas alternatives or stay with standard technologies as best fits their priorities. However, RMI is not advocating free choice. They're advocating not even having gas available at all i.e.: **"Stop supporting the expansion of the natural gas distribution system, including for new homes."**

This is escalation. I wonder who funded RMI's study? RMI doesn't say.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Untitled
Date: Monday, September 17, 2018 10:00:22 AM

The "big picture"

[Court Upholds Illinois Nuclear Subsidies Law. Here's Why It's a Big Deal for Renewable Energy, Too.](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Untitled
Date: Monday, September 17, 2018 11:33:05 AM

And in related news:

[Will Washington State Voters Make History on Climate Change?](#)

a.k.a., [Ballot Initiative 1631](#)

This includes carbon taxes on natural gas utilities. as shown by searching the PDF for the term gas distribution business. Also note the following excerpt:

(c) Programs, activities, or projects, including self-directed investments, that increase energy efficiency in new and existing buildings, with a goal of creating carbon neutral buildings across the state;



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Untitled
Date: Tuesday, September 18, 2018 9:19:54 AM

To Dan's point about NY nukes:

[Another Court Win for State Nuclear Subsidies in Illinois](#)



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From: [Ted Williams \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) The Social Benefits of Fossil Fuels Far Outweigh the Costs
Date: Thursday, June 21, 2018 10:54:32 AM

In response to this study and work on the benefits of fossil fuels that have preceded it, we strongly recommend that DUTG consider developing a program plan for **a *symposium on the benefits of fossil fuel use***. There are lots of potential sponsors, and while direct use of natural gas might be considered a small part of the overall interest in the topic, helping set an agenda for a symposium and maybe including a breakout session on direct use of natural gas might move the advocacy for direct use forward. Helping on developing the agenda would also help set some boundaries on the technical credibility of the activity and subsequent discussion around the claims about benefits. If the visibility of the benefits arguments aren't raised and some of the more indefensible claims of benefits aren't controlled, it's likely that consideration of the benefits of fossil fuel use will continued to be perceived as a fringe and reactionary interest.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) The Social Benefits of Fossil Fuels Far Outweigh the Costs
Date: Thursday, June 21, 2018 11:46:28 AM

Great idea. What about joining forces with others aligned with this idea; e.g., Heritage, IER, etc.



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From: [Daniel Lapato \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) The Social Benefits of Fossil Fuels Far Outweigh the Costs
Date: Thursday, June 21, 2018 12:32:06 PM

Ted, I think you raise a very interesting point. From a public policy outreach prospective we are often times try to compare ourselves with other energy options on their terms. In this case trying to make a case for the use of natural gas at a random date in the future.

I think we should consider a report or paper on today's benefits from the direct use of natural gas. A short paper outlining the 2017 environmental and economic benefits consumer's enjoyed from using natural gas. Something that outlines the environmental and economic difference between homes using natural gas heat versus if those same homes had to use electric to heat there home.

To often we are arguing against "what if" scenarios based on projections. Instead maybe should just outline the differences using today's actual data.



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To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) The Social Benefits of Fossil Fuels Far Outweigh the Costs
Date: Friday, June 22, 2018 10:08:04 AM

My thought on participants in a symposium of this type is to get together a **"steering committee" of materially-affected commercial interests**, avoiding the public policy and think tank organizations initially and at the steering committee stage, to develop the program. Undoubtedly, these other organizations would likely be invited to be on the program by the steering committee. My own bias for the decisions of the steering committee would be to focus on analytical contributions to the debate, not pure advocacy messages. We need to have the technical perspectives and data take priority to push back against the SCC interests and federal activities. Unsupported or dubious claims would undermine the impact of the event.

As to Dan's point, I think the specific fossil fuel interest issues ought to be dealt with in breakouts. I know that within natural gas, we would be likely to have different perspectives from the gas-to-power generation interests and the direct use interests. As an illustration and looking at the World Gas Conference program only as an example, most of the public policy emphasis supporting natural gas (and other fossil fuels generally) is for maintaining its use as a power generation fuel. Lumping discussions into all fossil fuels or even natural gas as a fuel is likely to swamp the direct use arguments.

One last point I have is on the use of the "deliverables." We might first think of this as a response to the federal policies on SCC and its use in DOE rulemakings, etc. I think the value is much broader, though, and could contribute to positive messaging, even as a response to the "deep decarbonization" and "electrification" movements. Thus far, all the gas industries have had to contribute is a reactionary response (negative) whereas this activity could emphasize the positive and more directly affect public perception, once properly framed.

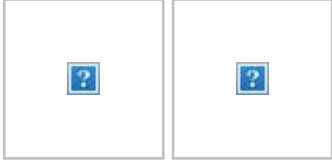


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From: [Arthur Corbin \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) The Social Benefits of Fossil Fuels Far Outweigh the Costs
Date: Friday, June 22, 2018 3:46:17 PM

Ted,
Your idea sounds good and worth exploring in more depth. Can you give us some potential names for this steering committee?

Thanks!



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From: [Ted Williams \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) The Social Benefits of Fossil Fuels Far Outweigh the Costs
Date: Friday, June 22, 2018 5:19:35 PM

Hi, Arthur,

I'll have to look into this after the World Gas Conference. My activities start Saturday and run all day through Sunday evening this weekend before the start of the Conference. In my opinion, I think we first ought to agree on the organizations represented on the steering committee. Once we get agreement, we can start identifying representatives from those organizations. I think we need to discuss the composition of the steering committee on one of your upcoming DUTG calls, and I would like to participate, if possible.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) The latest "deep decarbonization/beneficial electrification" study
Date: Tuesday, June 5, 2018 12:55:33 PM

DOE and NREL members are listed here:
<http://www.ren21.net/about-ren21/about-us/governance/the-steering-committee/>



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) The latest "deep decarbonization/beneficial electrification" study
Date: Tuesday, June 5, 2018 12:58:28 PM

ACORE is also listed as a member. Here is ACORE's members:
<https://acore.org/member-directory/>



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) The "Regulatory Assistance Project" (RAP) latest "beneficial electrification" article & webinar
Date: Friday, July 6, 2018 10:39:00 AM

PS:

Here is the study the above is based on:

[Beneficial Electrification: Ensuring Electrification in the Public Interest](#)



[6-19-2018-RAP-BE-Principles2.pdf 1.15 MB](#) • [Download](#)



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) The "electrify everything" guy's take on GOP-pro carbon tax advocacy
Date: Wednesday, June 27, 2018 11:09:37 AM

A bunch of leftovers from the Bush admin trying to stay relevant. Out of power and pushing a loser. Bunch of RINOs getting some headlines because they said the magic buzzword..."climate tax".



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) The "electrify everything" guy's take on GOP-pro carbon tax advocacy
Date: Wednesday, June 27, 2018 12:11:12 PM

It's more than that. There are some "deep pockets" involved.



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From: [Bert Kalisch \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Summary of APGA's meeting with DOE officials.
Date: Friday, June 1, 2018 6:56:35 AM

It is both a shock and disappointment that senior EERE staff (i.e., political appointees) at DOE HQ is unaware of the work its various labs have done that advocate or support "deep decarbonization" / "beneficial electrification" (i.e., elimination of natural gas direct use). We need to send those lab reports back ASAP to the DOE delegation + Simmons.

I believe one of the reasons senior staff is disorganized is because of career staff and its bias against fossil fuel, including natural gas. We must keep in mind that until we pick-up the pace of meetings/interactions with EERE senior staff, this disorganization will continue. The senior staff's ignorance of what is being done at the labs in this regard, and the money invested to eliminate direct use of natural gas, are stand-alone reasons to meet again with them soon.

APGA and our allies must begin to increase our influence with senior staff, and not allow career staff to be the only daily/dominant influence on senior staff. Thus, we must (1) be more proactive; (2) attempt to drive senior staff knowing that career staff is driving them in another direction or muddying the waters in an attempt to confuse senior staff; and (3) recognize that unless we actively keep our issues in front of senior staff and meet with them at least once or twice a month, we will have little to no influence at EERE.



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Summary of APGA's meeting with DOE officials.
Date: Friday, June 1, 2018 10:19:50 AM

I'll be in D.C next week Mon-Wed for the EIA energy conference at the Hilton. I'm on their Working Groups for AEO19...injecting the natural gas direct use viewpoint at every opportunity with EIA staffers. We don't exist on the agenda...that tells you something.

<http://wxq47w.attendify.io/>



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Summary of APGA's meeting with DOE officials.
Date: Friday, June 1, 2018 10:22:35 AM

Here's what I see as the essential dilemma: Perry, unlike Pruitt, is taking the path of least resistance by not trying to change the culture of the agency. At least arguably, based on the number of DOE appointees previously affiliated with the electricity industry, the "regulatory capture" of DOE by the electric utility industry is increasing. Take DOE [Chief of Staff, Brian McCormack](#) and [Under Secretary Mark Menezes](#) for example.

Maybe I'm totally off-base on this but it explains a lot; like the [recent "deep decarbonization/beneficial electrification" pact between EEI and NRDC](#).

The "regulatory capture" of DOE by electric interests is a fact with a long history. To illustrate, attached is the draft for a Cato Institute article by Ronald Sutherland and Jerry Taylor titled [Time to Overhaul Federal Energy R&D](#). Unfortunately, the following excerpt was omitted from final online version:

An examination of the DOE's R&D budget from 1977 to the present indicates that little of the budget is used for oil related research and most is used for electricity related programs. R&D investments in renewable energy, such as wind and solar, are electricity related. R&D investments in coal technologies and nuclear energy are also electricity related.

At the meeting on Tuesday, Fitzsimmons acknowledged that Perry is "proud" of his "clean energy" legacy in Texas. Apparently, the ignorance (willful or otherwise) starts at the top; but nobody wants to be the one to tell the emperor he is naked.

So, if we don't find a way to bypass Perry's underlings, I predict "the beatings will continue."

 [Sutherland and Taylor R&d2.doc 128 KB • Download](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Summary of APGA's meeting with DOE officials.
Date: Friday, June 1, 2018 12:03:48 PM

I'm no longer in touch with the authors. Maybe they thought about it and concluded it might start a feud with EEI.



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From: [Sue Kristjansson \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Summary of APGA's meeting with DOE officials.
Date: Friday, June 1, 2018 12:17:24 PM

Bert,

As you know I share your frustration at the pace with which things are moving however, I am not at all surprised that the senior staff/appointed staff at the DOE are not completely well-versed on all of the activities that happened over the past 8 years, but I'm not sure that they need to be aware of or have read and reviewed each. I do believe that the senior staff is more aligned with our position on the future of energy than not and that they recognize that natural gas direct-use is critical for the long-term. Yes, they appear to be disorganized but I think that there is a lot more on their plates than just whether fossil fuel is treated fairly or not and as they get more organized, I'm fairly confident that their views on the future of natural gas as a mainstay in energy will unfold and converge with our position. As we continue to fight for the consumer's choice to select our product, we need to absolutely work to fix the barriers with agencies that have thrown up roadblocks in the past. Having said that, I think that the plan that your team laid out at the last DUTG meeting is sound and appears to be working.

I am less troubled than you are that Simmons and other senior staff were not present with all they have to put in place and quite frankly, we cannot possibly be top priority for them. So, the question then becomes how do we ensure we are heard and our concerns are addressed. I agree with you that frequent contact is critical however I think that requesting frequent face-to-face meetings could be more detrimental to our efforts. This is a relationship building exercise and I believe that staff has already cleared a major part of that hurdle. There must be some quid pro quo in that relationship and until they "need" us for something, we have few chips to play. I have to tell you that as recent as a year ago I would not have thought that we could get GTI in front of DOE senior staff to walk through a detailed description of why their methodology was off in the furnace rule but that is now happening so I am very pleased with progress to date. I would suggest that staff continue along with the plan laid out at our last meeting and continue to solidify that relationship and keep our positions in front of them, but less structured than 1 to 2 meetings per month. You can attract more flies with honey than with vinegar and I think hammering them with demands can only backfire for us. A good blend of friend with firm is at the heart of the "art of the deal" afterall.

Sorry for the long response but it's Friday and apparently I have too much time on my hands.

Have a great weekend all!



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Summary of APGA's meeting with DOE officials.
Date: Friday, June 1, 2018 12:51:41 PM

We tried honey (e.g. "request for interpretation"). It didn't work. Fibbe was supposed to get together with Barton about it but it never happened.

As agreed Tuesday, we will be re-sending our requests. But what next? I think there is a general consensus within DUTG to submit petition versions of our requests. I think Simmons can (or at least should be) handle some more pointed efforts from us; especially if he is truly sympathetic with us as he previously said he was the last time we met.

Let's put this on the agenda for the next DUTG conference call.



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Summary of APGA's meeting with DOE officials.
Date: Friday, June 1, 2018 4:43:04 PM

Due to the sensitive nature of the discussions on this thread I went ahead and removed them so that we may continue the discussion on our next DUTG call scheduled for June 20th. A draft agenda for the call will be sent out shortly. Please email me if you have any questions. Thanks and have a great weekend!



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Summary of APGA's meeting with DOE officials.
Date: Friday, June 1, 2018 5:04:40 PM

Removed doesn't mean deleted I hope

Mark Krebs
Energy Policy & Standards Specialist

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To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Summary of APGA's meeting with DOE officials.
Date: Friday, June 1, 2018 5:08:00 PM

I can recover the conversation as all the messages were saved in my email inbox.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Summary of APGA's meeting with DOE officials.
Date: Wednesday, June 6, 2018 11:01:24 AM

FYI, I'm working on this: "DOE requested APGA send examples of DOE staff or National Lab staff supporting these efforts."

Here is one:

[The latest "deep decarbonization/beneficial electrification" study - APGA Direct-Use Task Group](#)

Here is another:



[electrification_of_buildings_and_industry_final_0.pdf](#) 3.19 MB • [Download](#)

Dave, Dan & Doug:

I've got more but do you have any examples you want to include?



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Summary of APGA's meeting with DOE officials.
Date: Wednesday, June 6, 2018 11:09:14 AM

PS:

Excerpt from the above LBNL report:

3.6 Codes and standards

Building energy codes and appliance and equipment standards establish minimum energy performance for buildings and equipment. Appliance and equipment standards are generally set separately for gas-fired and electric technologies, while energy codes are written comprehensively to apply to buildings regardless of the energy sources used.⁵⁴ Codes are set at state and sometimes local levels, while appliance standards are mostly set at the federal level.⁵⁵

Codes and standards can create incentives or disincentives for electrification, often in unintended ways. For example, the City of Austin's building energy code does not allow electric resistance space heating as a primary heat source in most buildings, and does not allow electric resistance water heating as the primary water heating source where gas connections are available, though it does allow more efficient electric heat pumps for both space and water heating. Additionally, most energy codes allow performance-based compliance. If using this pathway for compliance, most current codes require that the building's simulated energy cost be equal to or lower than a simulated version of the building that exactly meets prescriptive code pathway requirements. If the cost of electricity used by the simulation is higher than the actual cost the building would experience – for example, by not accounting for time-varying rates or neglecting higher demand response earnings that electric end uses enable – the code may effectively favor natural gas over electricity (Mahone et al. 2016). Finally, code compliance software may not account – or account properly – for some electric end uses, such as new heat pump technologies, that are not commonly deployed, creating a practical barrier to adoption (TRC 2016).

Appliance and equipment efficiency standards are set separately for electric and combustion-fueled devices. For example, there is a separate standard for gas water heaters and electric water heaters. There is no explicit consideration of the relative efficiency and cost-effectiveness of electric appliances and equipment relative to non-electric alternatives in the standard-setting process. An electrification policy strategy would need to account for this separation in standards, which is not necessarily conducive to advancing one fuel over another.



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From: [Daniel Lapato \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Summary of APGA's meeting with DOE officials.
Date: Wednesday, June 6, 2018 11:13:28 AM

Mark,
I appreciate the effort. However we need specific code changes DOE or the Labs have advocated or voted for adoption. I am thinking the ASHRAE committees will have a lot of examples.

The national labs will continue to develop reports that support renewable energy especially NERL. I believe our national labs request can't not be centered on censoring research. It should be focused on the need for DOE and the Labs to also preform research supporting the direct use of natural gas.

Ultimately, the national labs (like GTI) should be viewed as a technical resource. The issue is when they cross into advocacy. That is what we need to highlight.



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To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Summary of APGA's meeting with DOE officials.
Date: Wednesday, June 6, 2018 11:40:29 AM

http://newscenter.lbl.gov/feature-stories/2013/07/23/kitchens-can-produce-hazardous-levels-of-indoor-pollutants/?goback=%2Egde_76279_member_261680626



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Summary of APGA's meeting with DOE officials.
Date: Wednesday, June 6, 2018 12:02:28 PM

GTI has been nationalized?

Seriously, whatever examples we need should ideally be recent; or at least during the Trump Administration. Otherwise, our concerns will likely be dismissed along the lines of " Yeah, that was the Obama Administration."

While building Codes are a big part of the problem, there are other parts. Besides, threats arising from building codes are just a part of the larger problem; that being the perceived need to eradicate the direct use of natural gas per Obama-era "deep decolonization" and "electrification" policies in accordance with the "Paris Accords" that Trump ostensibly got us out of.

My excerpt immediately above makes that case.

Back to building codes: I am not in the position of getting code proposals put forth by DOE "National Labs." Let's get a plan out to do that. It should include ICC codes. But keeping DOE informed should not be limited to problematic code proposals from the Labs. They can easily get a paid lackey to do that for them.

Another area to cover should be "the path to net zero." Would that be a separate plan or just a section of the overall "clean energy" threat that discriminates against natural gas direct use?



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Simmons confirmation hearing this morning
Date: Wednesday, June 20, 2018 8:22:13 AM

Mark, APGA is going to do a letter of support for Daniel and we are reaching out to some other key trade groups to see if they will also weigh in.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Simmons confirmation hearing this morning
Date: Wednesday, June 20, 2018 8:23:32 AM

Great idea



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Simmons confirmation hearing this morning
Date: Wednesday, June 20, 2018 10:12:14 AM

Looks like the live webcast isn't happening:
<https://www.energy.senate.gov/public/index.cfm/live-webcast>

Maybe it will be available later????



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From: [Doug MacGillivray \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Simmons confirmation hearing this morning
Date: Wednesday, June 20, 2018 10:17:32 AM

The hearing is on the 26th. Not today



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Simmons confirmation hearing this morning
Date: Wednesday, June 20, 2018 10:25:08 AM

Ah! Thanks.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Simmons confirmation hearing this morning
Date: Tuesday, June 26, 2018 12:34:01 PM

Simmons started at the 00.50.00 mark

<https://www.energy.senate.gov/public/index.cfm/hearings-and-business-meetings?ID=F834DE68-78F9-4F57-9D90-1D162FF31677>



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From: [John Gregg \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Simmons confirmation hearing this morning
Date: Wednesday, June 27, 2018 10:02:45 AM

Thanks, THAT was interesting. Cute little girl! Grew up in a passive solar house with a university professor as a Dad. On to lobbying for fossil fuels. Focused his prepared remarks on cost of energy. Sen. Smith (MN) contrasted Dan's prior career against renewables to running EERE. Her question was whether cost "ruled" and he responded "not always" but that "consumers should be able to choose."

Murkowski alarms by critical mineral extraction methods around the globe. Also, she wants a hearing on DOE Reorg proposal about which she knows nothing (and Simmons said the same).



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Simmons confirmation hearing this morning
Date: Wednesday, June 27, 2018 10:18:03 AM

You identified the high point: "consumers should be able to choose."

Other than that, I guess he kinda had to say what they wanted to hear in order to get nominated. What some would call "kabuki theater." And that's the optimistic take.

OTOH: watch the video and draw your own conclusions.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Simmons confirmation hearing this morning
Date: Wednesday, June 27, 2018 12:17:10 PM

E&E Daily has an article about it titled [Renewable office nominee vows not to 'slow walk' regs](#) (subscription required)

"Fair Use" excerpts:

- Under questioning from ranking member Maria Cantwell (D-Wash.), Simmons said he would "process through the backlog" of about 20 energy efficiency standards that remain stalled in the Trump administration, despite having congressional deadlines.
- "It's important to meet those deadlines and to really meet all of our legal obligations," Simmons said.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Simmons confirmation hearing this morning
Date: Wednesday, June 27, 2018 2:54:30 PM

CQ news headline:

Renewable Energy Nominee Unaware of Senate Energy Bill

Excerpt:

... When Daniel Simmons, nominated to be assistant secretary of the Energy Department's Office of **Energy Efficiency** and Renewable Energy, was asked by the committee about the bill, he appeared to be caught flat-footed, stating he was not familiar...



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From: [Daniel Lapato \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Rescheduling of the July 18th DUTG Conference Call
Date: Friday, July 13, 2018 8:35:06 AM

DUTG Call-In Information and Agenda

July 19th at 3 pm (EST) time

To participate in the call, please dial 1-800-582-3014 and the passcode is 828590281#.

AGENDA FOR THE JULY 19TH, 2018 CONFERENCE CALL OF THE DIRECT-USE TASK GROUP

1. Welcome and Introductions
2. Anti-Trust Warning
3. Regulatory Priorities
 1. Petition on Separate Product Classes
4. Legislative Priorities (Dave, Dan and Doug)
 1. Repeal of Section 433
 2. DOE Appropriations
 3. Hearing Opportunities
 4. California Update
5. Communications
 1. Development of overall press/communications plan
6. Participation in the AGA Advocacy Training Effort
7. Electrification Webinar
8. World Gas Conference Report
9. Quantification of the Cost of Electrification Study
10. Other

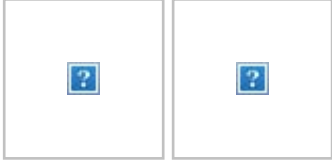


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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Rescheduling of the July 18th DUTG Conference Call
Date: Monday, July 16, 2018 3:00:45 PM

I think it would be useful to give 5 minutes to discuss the pros and cons of the AGA/ICF study.



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From: [Kyle Rogers \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Renewable shift hinges on green "conflict minerals" — report
Date: Wednesday, September 19, 2018 11:51:24 AM

Thanks for sending

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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Really? Electricity #1 Partner for a Resilient City? I think not.
Date: Thursday, September 20, 2018 9:43:48 AM

Good find Jim.

"Smart cities" has become another euphemism for "beneficial electrification" and looks to be finding a home within the Consumer Technology Association(CTA).

This fight is best waged from within. Look at CTA's policy statement:

<https://www.cta.tech/Policy.aspx>



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From: [Daniel Lapato \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Really? Electricity #1 Partner for a Resilient City? I think not.
Date: Thursday, September 20, 2018 9:50:37 AM

Jim and Mark,
Just to put the article into context. The Consumer Technology Association represent electronic equipment manufactures (think TV, smart phones, computers, audio equipment).

With that said, they have been a supporter of our EPCA reform efforts.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Really? Electricity #1 Partner for a Resilient City? I think not.
Date: Thursday, September 20, 2018 10:04:10 AM

Are you implying we just let it slide?



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From: [Tom Tanton \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Really? Electricity #1 Partner for a Resilient City? I think not.
Date: Thursday, September 20, 2018 10:15:00 AM

I'd like to add a bit to what Jim said. Keep in mind that all of the critical infrastructures are interconnected and interdependent. When one goes down, there are disturbances or outright outages (or worse) in each of the other ones. Ever been in an airport when the 'net goes dark? Airlines have no idea where planes or passengers are. Can't pump gas either as financial network is also down and won't take your credit card. When electricity is out, trouble arises in natural gas transport too, just as problems in natural gas transport affect electricity (see e.g. California 2000.) Each network is important, and brings with it strengths and weaknesses. The challenge is to meld them together into a resilient and people oriented mega-network. Over reliance on one or the other (say electricity) ignores this fundamental responsibility.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Really? Electricity #1 Partner for a Resilient City? I think not.
Date: Thursday, September 20, 2018 10:30:24 AM

Point taken. And if you're going to put all your eggs into one basket (say electricity), you better "harden" the basket.



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To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Really? Electricity #1 Partner for a Resilient City? I think not.
Date: Thursday, September 20, 2018 10:53:41 AM

somewhat ironically spell check (one component of one network) changed "meta" into "mega"...while technically correct it means something else. Just a warning to be careful about data.



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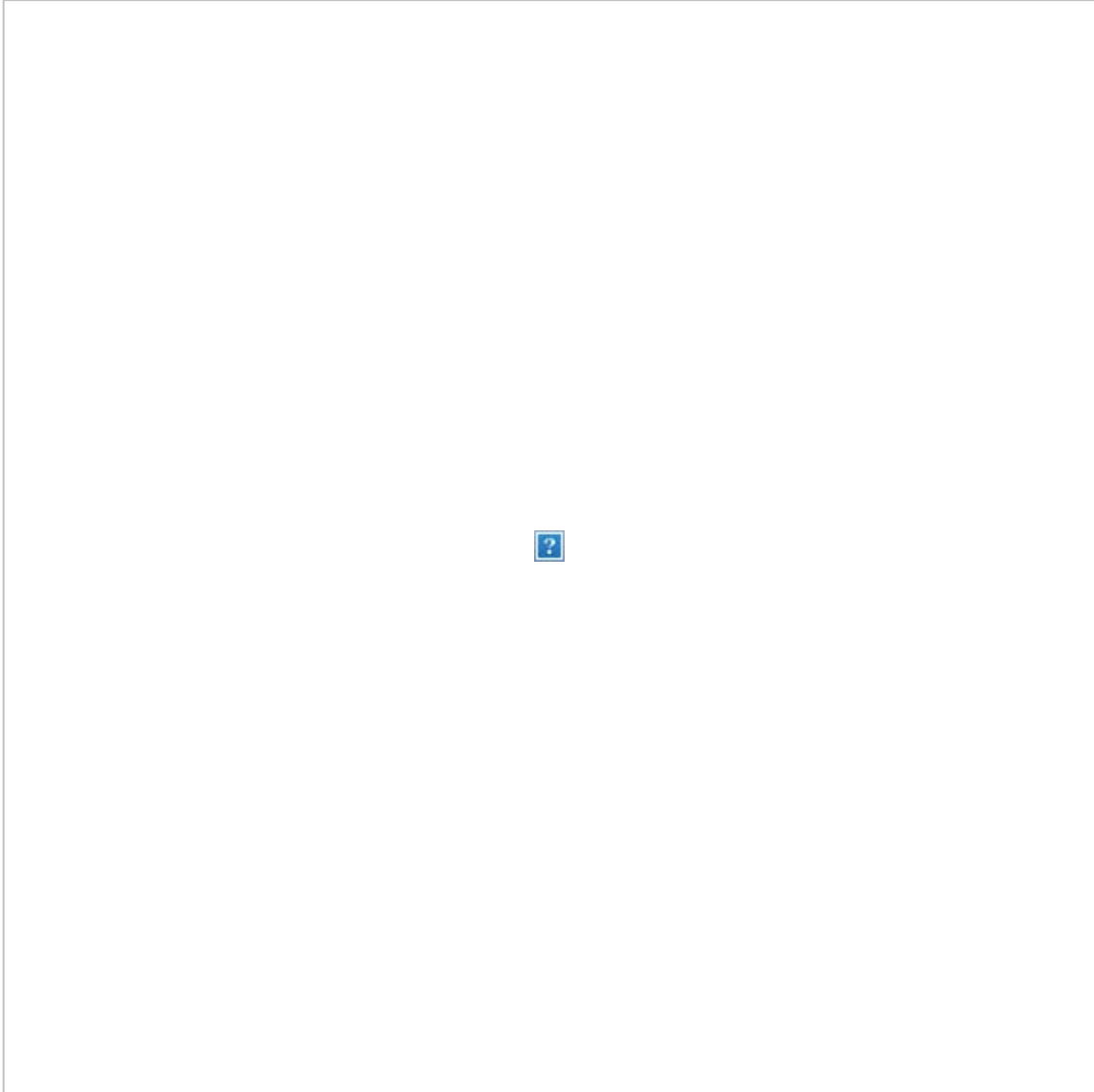
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From: [Tom Tanton \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Question for the group: What % of electric space heat is resistance vs. heat pump?
Date: Friday, June 22, 2018 1:40:58 PM



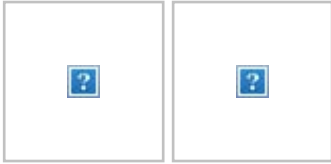
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From: [Arthur Corbin \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Question for the group: What % of electric space heat is resistance vs. heat pump?
Date: Friday, June 22, 2018 3:53:30 PM

See slide 9 in the attached presentation.

 [223_Corbin_Arthur_2018-04-16.pptx 4.7 MB](#) • [Download](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Question for the group: What % of electric space heat is resistance vs. heat pump?
Date: Friday, June 22, 2018 3:59:12 PM

Thanks all. I got the info.



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From: [John Gregg \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Organizing for EPRI "Electrification 2018" Conference
Date: Wednesday, June 13, 2018 4:33:33 PM

What is the plan exactly?

Which of these "supporting organizations": should get a letter from us saying why they should not be supportive: why electrification is inconsistent with the org's purposes. My nominees highlighted:

Advanced Energy | Advanced Energy Economy (AEE) | Alliance for Transportation Electrification | [Alliance to Save Energy](#) | [American Council for an Energy-Efficient Economy \(ACEEE\)](#) | [American Society of Heating and Air-Conditioning Engineers \(ASHRAE\)](#) | Association for UV&EB Technology (RADTECH) | California Electric Transportation Coalition (CaETC) | [Clean Coalition](#) | Edison Electric Institute (EEI) | Electrical Apparatus Service Association (EASA) | Energy Storage Association (ESA) | Environmental and Energy Study Institute (EESI) | Geothermal Exchange Organization (GEO) | GridWise Alliance | International Ground Source Heat Pump Association (IGSHPA) | International Ultra Violet Association (IUVA) | Large Public Power Council (LPPC) | [Midwest Energy Efficiency Alliance \(MEEA\)](#) | [Midwest Energy Research Consortium \(M-WERC\)](#) | [National Association of Regulatory Utility Commissioners \(NARUC\)](#) | [National Association of State Energy Officials \(NASEO\)](#) | National Rural Electric Cooperative Association (NRECA) | Natural Resources Defense Council (NRDC) | RMEL | Smart Energy Consumer Collaborative | Southeast Energy Efficiency Alliance (SEEA) | Veloz | WECC



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Organizing for EPRI "Electrification 2018" Conference
Date: Wednesday, June 13, 2018 4:54:07 PM

So you want somebody to write a letter to all of those organizations you highlighted why it's inappropriate for them to be sponsoring that conference?



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Organizing for EPRI "Electrification 2018" Conference
Date: Thursday, June 14, 2018 3:54:38 PM

Getting back to John's suggestion: What would be more effective (I think) would be an open letter admonishing those organizations and getting it published somewhere that matters.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) OMB announces federal agency reorganization plan including DOE
Date: Wednesday, June 27, 2018 10:41:25 AM

No comments? Why? Isn't this significant?



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From: [Daniel Lapato \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) OMB announces federal agency reorganization plan including DOE
Date: Wednesday, June 27, 2018 10:49:14 AM

Mark there are no real details yet. After my initial review, it really only impacts research "silos." Our DOE re-org issues centered around separating DOE's advocacy from their regulatory duties. Until we see more details, we have been focusing our resources on other priorities.



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From: [Doug MacGillivray \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) OMB announces federal agency reorganization plan including DOE
Date: Wednesday, June 27, 2018 10:51:07 AM

Any real substantive reorganization movement will come from Congress



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To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) OMB announces federal agency reorganization plan including DOE
Date: Wednesday, June 27, 2018 11:05:33 AM

Its pie in the sky...all the major changes would have to go through Congress...good luck with that.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) OMB announces federal agency reorganization plan including DOE
Date: Wednesday, June 27, 2018 5:16:48 PM

It's OMB and thus offers us an opportunity to open dialogue.



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From: [Tom Tanton \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) NRECA & NRDC hire Brattle for another electrification study
Date: Wednesday, July 18, 2018 9:39:22 AM

well, look on the bright side; calls attention to the ill forgotten site v source debate.
:-(



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) NRECA & NRDC hire Brattle for another electrification study
Date: Wednesday, July 18, 2018 9:58:48 AM

"could produce net environmental benefits even if the result does not minimize the home's total energy consumption"

Or more likely it could increase energy consumption, increase emissions, increase utility bills and increase shareholder profits at electric utilities. Its a win win win win!



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) North America Long-Term Power Demand Forecast
Date: Thursday, September 20, 2018 9:59:49 AM

Note that Sept. 22 was a misprint. Date is the 25th.



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From: [Daniel Lapato \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) NODA for developing energy conservation standards for manufactured housing
Date: Monday, September 17, 2018 11:32:54 AM

Committee members,

The U.S. Department of Energy is soliciting public input regarding data relating to certain aspects in developing energy conservation standards for manufactured housing. I spoke with Arthur this morning and because of the tight timeline we submitted the enclosed letter. We wanted to make sure APGA's interest were represented in the comments.

I want to thank everyone who submitted comments. Please contact me if you have any questions.

Thank you,
Dan



[APGA Comments on Manufactured Housing NODA.pdf 106 KB](#) • [Download](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) New NG Messaging Group Emerges in DC
Date: Tuesday, June 26, 2018 8:28:14 PM

So who is this new global pro-natural gas coalition ?



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) New NG Messaging Group Emerges in DC
Date: Wednesday, June 27, 2018 10:08:08 AM

I found it:

NATURAL GAS COALITION LAUNCHES: A new coalition to promote the natural gas industry launched today. The members of the so-called **Global Natural Gas Coalition** include the **Interstate Natural Gas Association of America; American Petroleum Institute; the American Gas Association; the U.S. Chamber of Commerce, Global Energy Institute; the American Chemistry Council; the National Association of Manufacturers; and the Laborers' International Union of North America.** In an interview with PI, **Don Santa**, chief executive of INGAA, said the coalition's main objective is to be "a unified voice in term of the benefits of natural gas" both domestically and internationally. Today's launch coincides with the World Gas Conference this week.

Source: <https://www.politico.com/newsletters/politico-influence/2018/06/25/more-details-on-manafort-hapsburg-group-263615>

Global Natural Gas Coalition website

<http://www.globalnaturalgascoalition.com/>

Who is running/staffing it?

From <http://www.globalnaturalgascoalition.com/about/>

LNG Allies website: <http://www.lngallies.com/>



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From: [Jim Ranfone \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) New ASHRAE President's electrification plan?
Date: Thursday, July 5, 2018 10:00:52 AM

Yup! and your Tax Dollars are paying her way!



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) New ASHRAE President's electrification plan?
Date: Thursday, July 5, 2018 11:31:06 AM

The document above also supports the "Architecture 2030's "ZERO Code for new commercial, institutional, and mid- to high-rise residential buildings (and the same organization behind [Sec. 433](#)).



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) New ASHRAE President's electrification plan?
Date: Thursday, July 5, 2018 11:54:13 AM

More electrification links in ASHRAE report on page 23 includes this:

emp.lbl.gov/projects/feur



[feur_advisory_group_2018_june_28.png](#) 175 KB • [Download](#)

The LBL web page includes a link to [US Chamber of Commerce video featuring Daniel Simmons](#) about Alabama Power's "Smart Neighborhood."



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Going After NG Emissions: New EDF Study
Date: Monday, June 25, 2018 1:40:51 PM

I agree...the media is trumpeting the study...as soon as I saw EDF I knew it was biased. I'm looking forward to the rebuttal...my cursory review of the study raised some red flags.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Going After NG Emissions: New EDF Study
Date: Monday, June 25, 2018 3:04:13 PM

Today's E&E News climate wire published this today (subscription required):

Industry slams 'alarmist' methane study

Last Friday, Jennifer O'Shea, AGA's VP of communications, Communications sent out something to its members that basically said it's an upstream problem.



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From: [John Leary \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Op-ed addressing CPUC Actions/Electrification
Date: Tuesday, June 12, 2018 2:41:36 PM

Dave,

Attached are my suggested edits (in red) for the op-ed. I think it's great we're getting this out.

I have to congratulate you on getting the Cup. I obviously didn't want to see it, but at least it wasn't the Pens! I have to give the Caps credit, they played great hockey in the playoffs and deserved it. Even without you in net!

Thanks!
John

 [Electrification Op-Ed Leary Comments.docx 16.4 KB](#) • [Download](#)



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From: [Greg Stunder \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Op-ed addressing CPUC Actions/Electrification
Date: Tuesday, June 12, 2018 2:44:34 PM

The following is a suggestion which re-orders the first sentence:
Imagine your electric bill increasing to a point that you can barely make ends meet because your choice to heat your home with the warmth and comfort of natural gas and to prepare your meals with a gas stove has been taken away from you.



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From: [Tom Tanton \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Agenda for the June 20th DUTG conference call
Date: Wednesday, June 13, 2018 11:04:25 AM

Out. Will let you know when I get back.



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From: [Arthur Corbin \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Agenda for the June 20th DUTG conference call
Date: Friday, June 15, 2018 4:08:55 PM

Dave,
Can you make these changes and post the revised agenda early next week?

Thanks!



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Agenda for the June 20th DUTG conference call
Date: Friday, June 15, 2018 4:21:14 PM

I'll should be able to post a revised agenda shortly.

Dave Schryver
Executive Vice President
American Public Gas Association
201 Massachusetts Avenue, NE, Suite C-4
Washington, DC 20002
202-464-0835

PLEASE JOIN US AT THESE UPCOMING APGA EVENTS:

2018 APGA Annual Conference
July 22-25, 2018 | Hilton Portland Downtown | Portland, OR |
www.apga.org/portland<<http://www.apga.org/portland>>

2018 APGA Southeast Tour
August 20-31, 2018 | Georgia, Florida, Mississippi, Tennessee, Alabama, and
Kentucky | www.apga.org/southeasttour<<http://www.apga.org/southeasttour>>

2018 APGA Fall Board and Committee Meetings
October 28-30, 2018 | The Chattanooga Hotel | Chattanooga, TN |
www.apga.org/chattanooga2018<<http://www.apga.org/chattanooga2018>>

2018 APGA Operations Conference
October 30-November 1, 2018 | The Chattanooga Hotel | Chattanooga, TN |
www.apga.org/chattanooga2018<<http://www.apga.org/chattanooga2018>>

ABOUT APGA<<https://www.youtube.com/watch?v=0y6vG1T3P6A>>



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Jorgenson, Tom Tanton, and Vicki O'Neil.

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From: [John Gregg \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft AGA Policy Statement on Electrification efforts in the Codes & Standards Arena
Date: Saturday, September 22, 2018 9:56:26 AM

Great. This is very consistent with APGA's standing resolution, which APGA might modify to address electrification specifically:

Direct Use of Natural Gas (2015)

Natural gas is America's fuel for the 21st Century because it is reliable, clean, domestic, abundant, and affordable. This premium fuel is provided via an efficient production and delivery network.

No longer viewed as just a bridge fuel, natural gas is now accepted as a foundational fuel for America through the 21st Century. Over the last few years, when natural gas surpassed coal as the largest source for electric generation, environmental interests began to attack natural gas after having supported its use. Those interests are undercutting America's acceptance of natural gas as the smart and strategic energy source to drive our nation's economy forward.

Despite record quantities of low-priced natural gas, the direct use of natural gas in homes and businesses being challenged on several fronts. Most disconcerting is the mixed message from policymakers. On one hand, they tout the benefits of natural gas and the important role it is playing in America's economy; on the other, certain federal agencies have promulgated rules and policies that either discourage the direct use of natural gas or promote fuel switching away from natural gas. Such fuel switching leads to higher costs to consumers, greater emissions, and less efficient use of America's primary energy resource –natural gas. Another challenge to natural gas direct use is coming from those who seek to influence consensus codes and standards bodies to adopt requirements that promote the use of electric technologies over natural gas technologies.

Whereas, the direct use of natural gas on a primary energy basis is 92 percent efficient; and

Whereas, the direct use of natural gas faces challenges that fail to account for the

fact that natural gas is one of the cleanest, safest, most abundant, affordable, and useful of all fuels; and

Whereas, substituting natural gas for other fuels reduces pollutant emissions that produce smog, acid rain and exacerbate the greenhouse effect. For example, using natural gas-fired water heaters for homes instead of electric resistance water heaters ultimately reduces greenhouse gas emissions by one-half to two-thirds; and

Whereas, the direct use of natural gas is being cited and promoted by multiple local jurisdictions as a way to ensure energy reliability and energy security in response to both weather events and terrorist attacks; and

Whereas, in addition to the environmental and security benefits afforded by the direct use of natural gas, the economic potential associated with this domestic energy resource provides members the ability to offer a lower cost product that provides their consumers a competitive edge in both national and international markets.

NOW, THEREFORE, BE IT RESOLVED: That APGA supports legislation and regulation that encourage the direct use of natural gas, and opposes legislation and regulation that would have the opposite effect.



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Deadly Dangers Lurk In Natural Gas Distribution Lines
Date: Tuesday, September 18, 2018 10:34:37 AM

All energy forms have risks. CDC data from 2011-2016

ICD-10 Codes: | W87 (Exposure to unspecified electric current) 716 deaths

<https://wonder.cdc.gov/ucd-icd10.html>



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From: [Tom Tanton \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Deadly Dangers Lurk In Natural Gas Distribution Lines
Date: Tuesday, September 18, 2018 10:40:27 AM

yes, but a larger risk is from "no energy"



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From: [Daniel Lapato \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Comments to the CPUC
Date: Tuesday, June 5, 2018 1:01:58 PM

As discussed above, attached is a draft comment letter to the California Public Utilities Commission (CPUC) on their proposed paper entitled, *California Customer Choice: An Evaluation of Regulatory Framework Options for an Evolving Electricity Market*.

Our letter focuses on the benefits of the direct use of natural gas and why eliminating it as an energy option is detrimental to the consumer. Please review the the draft letter. I need all comments and edits by COB this Friday.

Thank you,
Dan

 [Draft CPUC Letter v.3.docx 36.3 KB](#) • [Download](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Comments to the CPUC
Date: Tuesday, June 5, 2018 1:20:40 PM

Well done. Now what about an op-ed/media plan?



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From: [John Leary \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Comments to the CPUC
Date: Tuesday, June 5, 2018 1:36:58 PM

Dan,

I think the CPUC letter looks good. I just have a few editorial comments:

1st page, 4th paragraph, remove "the" between "with" and "one". Also remove "which is examining".

2nd page, 3rd line, remove "seems" between "business" and "runs"

3rd page, 2nd paragraph, remove "that" between "policies" and "have"

Thanks!
John



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From: [Tom Tanton \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Comments to the CPUC
Date: Tuesday, June 5, 2018 2:19:28 PM

No substantive comments on the letter per se but note Picker doesn't get to vote on AB 3001 as President of CPUC. See last sentences before Bart's signature. He might vote on a CPUC resolution of support to be sent to ANR or other Committee. Which raises the question of why address to Picker and not members?

Tom



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From: [Sue Kristjansson \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Comments to the CPUC
Date: Wednesday, June 6, 2018 3:50:54 PM

My comments attached. Great letter, just some housekeeping issues and one addition. Thanks!

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From: [Arthur Corbin \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Comments to the CPUC
Date: Wednesday, June 6, 2018 4:46:59 PM

Dan,

The comments you've received have been good. Attached are mine. Like Sue's, they are mainly clean up and additions or rewording for emphasis of certain points. In a few places, I've incorporated "reducing" with "eliminating" natural gas use to better align with the specific question in the Draft Green Book. As far as the right person or persons to receive our letter/comments, I agree with Tom and Sue that it is probably best to address our letter to the full CPUC rather than just the President. I've also included the California Customer Choice team in the cc's since they appear to be the ones soliciting comments. Thanks!

 [Draft CPUC Letter v.3 with acorbin edits.docx 39.2 KB](#) • [Download](#)



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From: [Tom Tanton \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Comments to the CPUC
Date: Wednesday, June 6, 2018 6:29:44 PM

I apparently was not clear in my original comment. Picker (nor the CPUC) get to 'vote' on AB 3001. Thus the closing ask is misdirected. IF you send letter to CPUC ask them to 'oppose' (they may take an official position.) IF you send to the Assembly Committee ask they vote 'no' (I'd copy leadership...speaker.) I recommend you send to each (with difference being in ask.)

Tom



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From: [Tom Tanton \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Comments to the CPUC
Date: Wednesday, June 6, 2018 6:31:34 PM

btw, I'd suggest keeping some ask, rather than deleting as suggested by Art, but I can be convinced otehrwise.



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From: [Daniel Lapato \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Comments to the CPUC
Date: Wednesday, June 6, 2018 7:38:26 PM

I want to thank everyone for your comments. I apologize for the confusion, the reference to AB 3000 was a cut and paste error when I applied Bert's signature block. Any reference to AB 3000 has been removed. This letter is intended for the California's PUC Chairman Micheal Picker and the other commissioners. The letter is intended to comment on their "Green Book" which openly asked for suggestions on the elimination of the direct use of natural gas.

Attached is the most current version.

Thank you,
Dan

 [Draft CPUC Letter v.3 JL, NL, SK, AC.docx 36.5 KB](#) • [Download](#)



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From: [Arthur Corbin \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Comments to the CPUC
Date: Thursday, June 7, 2018 9:42:26 AM

Excellent letter! Thank you Dan and those that contributed comments!



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From: [Sue Kristjansson \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Comments to the CPUC
Date: Thursday, June 7, 2018 10:22:09 AM

Fantastic!

One additional thought - in reading this, it occurred to me that with some slight edits this would make a fairly decent op-ed or the basis for an article, California specific. I know we've been bashing around the need to get engaged in informing the consumer of what is happening and why it is irresponsible. I can guarantee that the vast VAST majority of California is completely unaware of this "Green Book" the PUC is working on. The SacBee would be ideal but they may not want to either accept an op-ed or write an article. any publication would be excellent.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Comments to the CPUC
Date: Friday, June 8, 2018 8:47:34 AM

Just wondering; does APGA have members in CA?



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Comments to the CPUC
Date: Friday, June 8, 2018 8:52:50 AM

Mark, there are 6 APGA members in California, several are small systems and two larger systems, Palo Alto and Long Beach.

Dave Schryver
Executive Vice President
American Public Gas Association
201 Massachusetts Avenue, NE, Suite C-4
Washington, DC 20002
202-464-0835

PLEASE JOIN US AT THESE UPCOMING APGA EVENTS:

2018 APGA Annual Conference
July 22-25, 2018 | Hilton Portland Downtown | Portland, OR |
www.apga.org/portland<<http://www.apga.org/portland>>

2018 APGA Southeast Tour
August 20-31, 2018 | Locations TBD |
www.apga.org/southeasttour<<http://www.apga.org/southeasttour>>

2018 APGA Fall Board and Committee Meetings
October 28-30, 2018 | The Chattanooga Hotel | Chattanooga, TN |
www.apga.org/chattanooga2018<<http://www.apga.org/chattanooga2018>>

2018 APGA Operations Conference
October 30-November 1, 2018 | The Chattanooga Hotel | Chattanooga, TN |
www.apga.org/chattanooga2018<<http://www.apga.org/chattanooga2018>>

ABOUT APGA<<https://www.youtube.com/watch?v=0y6vG1T3P6A>>



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Sue Kristjansson, Ted Williams, Thomas Schultz, Todd Jorgenson, Tom Tanton, and Vicki O'Neil.

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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Comments to the CPUC
Date: Friday, June 8, 2018 10:04:25 AM

Still wondering; is that worth mentioning in the letter as a way of saying APGA has standing?



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From: [Tom Tanton \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Comments to the CPUC
Date: Friday, June 8, 2018 3:50:08 PM

while technically not a standing issue (and as public utilities, not regulated by Ca Public Utilities' Commission...yea, I know...) but having an interest in outcome. If time allows, I'd suggest adding, if you can and if you can, include a 'representing x million Californian energy consumers' kind of statement.



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From: [Arthur Corbin \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Comments to the CPUC
Date: Friday, June 8, 2018 4:10:20 PM

Although we've not specifically highlighted APGA's California Members (for the reasons Dan gave and because they are very small by comparison to SoCal Gas and PG&E), I believe our letter does a very good job stating "our interest in the outcome", which is the fact that we care about what happens to natural gas consumers in California and throughout the U.S.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Comments to the CPUC
Date: Thursday, June 14, 2018 12:18:16 PM

Good job. The following article makes some similar points from an electric utility perspective:

[Is the new California solar mandate a threat to utilities across the country?](#)

Excerpts:

Recent studies show that net-zero-energy homes cost 5 to 10 percent more than standard construction, but energy savings will likely offset these costs over time.

That gives more states incentives to follow California's lead. In addition, it's possible that portions of the new California requirement—which is in the building code—will be included in the International Energy Conservation Code, which serves as the foundation for many state codes.



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From: [John Gregg \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Attached are draft minutes from this week's DUTG conference call
Date: Monday, June 25, 2018 10:56:44 AM

edits suggested

 [DUTG minutes ed.JPG.docx 22.6 KB](#) • [Download](#)



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Attached are draft minutes from this week's DUTG conference call
Date: Monday, June 25, 2018 2:35:31 PM

I saw in the minutes that you want to talk about DOE analysis with Sofie Miller. I've talked to her in the past at GW about marginal vs average rates. Would be happy to tag along if you want me in D.C. to work with Neil and DOE. I've been pushing hard at EIA to get them to do better electric and natgas forecasts. They are improving.

I just updated my Missouri spreadsheet on electric and natgas marginal residential rates. Marginal rates vary dramatically across companies and seasons. Using average rates by state ensures that you will not reflect the true economic decision making of customers. This is a complicated task...I have to look at every entity's tariffs, FACs, Energy Efficiency, PGA, ISRS and a host of other riders and adders. And, I don't even look at all electric rates, which would require even more time. Avg state rates are almost always wrong...even average marginal rates are not accurate. Tracking actual marginal rates across the U.S. would be a full time job for several people. If you introduce residential demand charges...analysis just got way more complicated.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) APGA Op-Ed in Long Beach Paper
Date: Friday, June 22, 2018 8:43:39 AM

Congrats. Goes to show that good content is easily published .



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From: [John Gregg \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) APGA Op-Ed in Long Beach Paper
Date: Monday, June 25, 2018 11:32:16 AM

“Customer choice” are iconic words in the utility industry and they sound good, like “freedom.” But we are not entitled to unfettered freedom nor unrestricted customer choice. We could agree that the post-modern alienation and seeming oppression of the individual makes consumer choice powerful. But making that the core message of DUTG may be unwise. It should be more of an add-on to the message that NG is good for the Nation because it is inexpensive, reliable, and efficient—thus making it environmentally sound. That message attacks the environmental left’s positions at their root. After all, “customer choice” to utilities means that customers choose someone other than the utility. Now, “customer choice” is driving a large move from big power to small energy. More and more consumers are *choosing* to install distributed energy resources on their premises: distributed generation, demand response, energy efficiency, distributed storage, microgrids, and electric vehicles. The rise of the prosumer and active consumer movement is being fueled by a growing number of customers who care about how and where their energy is generated and about the impacts of global warming (our message: choosing NG is responsible); rapid technology advances are bringing greener energy choices directly to consumers (our message, there is no battery); and disruptive entrants rapidly emerging that give customers meaningful energy usage insights and options related to their homes, businesses, and transportation choices (our message, builders should embrace NG appliances). Today customer choice in the utility business is perhaps best illustrated by the affirmative act of consumers checking a box for green power to feel good about themselves. Consumers are not proactively choosing NG for the most part: they take its availability for granted. What we have is more of a pending denial of access rather than choice.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) APGA Op-Ed in Long Beach Paper
Date: Monday, June 25, 2018 11:57:40 AM

Great post John. Advocates of "Clean Energy" and "Beneficial Electrification" claim they are increasing "consumer choice" as you pointed out. That said, their consumer choices tend to preclude our consumer choices; or what you call "denial of access."

So we need additional "themes" for advocating natural gas direct use. And you provided several.

Another one should be questioning what exactly is "clean energy" anyway; as the following articles do.

- [Child miners aged four living a hell on Earth so YOU can drive an electric car](#)
- [Illegal mining in Congo wiping out gorilla populations](#)
- [Are We Headed for a Solar Waste Crisis?](#)
- [The rise of electric cars could leave us with a big battery waste problem](#)
- [The Dark Side of Solar Panels](#)
- [How Green Are Those Solar Panels, Really?](#)
- [A Clean Energy's Dirty Little Secret](#)
- [Are electric cars worse for the environment?](#)



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) APGA Op-Ed in Long Beach Paper
Date: Monday, June 25, 2018 11:59:05 AM

Consumers have been duped into thinking they can pick green and save money. Enviros have done a great job of marketing that green energy is cheaper...it is not. An educated consumer will pick natgas when they understand it will reduce emissions and lower their energy bills. Electrification and distributed energy cost more and can actually increase emissions.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) APGA Op-Ed in Long Beach Paper
Date: Monday, June 25, 2018 12:09:02 PM

Case-in-point Jim:

[Most American homes are still heated with fossil fuels. It's time to electrify.](#)

The author is advocating for electric heat pumps but personally chose to replace his old diesel-fueled furnace with a natural gas furnace.



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From: [John Gregg \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) APGA Op-Ed in Long Beach Paper
Date: Tuesday, June 26, 2018 6:53:25 PM

Everyone should read that article that Mark linked to. APGA should write the author and ask why he was wrong and RMI is right. We should point out the costs and difficulties of expanding the grid and other flaws in the RMI study.



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From: [Rodney Dill \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) APGA Op-Ed in Long Beach Paper
Date: Wednesday, June 27, 2018 10:12:25 AM

Mark - good (informative) articles on defining "clean energy"; I was caught off guard by the staggering amount of E-waste (electronic) coming from the disposal of solar panels at the end of their life, and the projections of E-waste as solar penetration increases; it really does pose a policy question when it comes to "mountains of hazardous waste" and the reduction of CO2 emissions



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) APGA Op-Ed in Long Beach Paper
Date: Thursday, June 28, 2018 10:20:08 AM

I'm gladf you liked the list. Here is the source article of that list, just published in Master Resource:

<https://www.masterresource.org/krebs-mark/paris-climate-accord-alive-doe/>



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Another day, another beneficial electrification article
Date: Tuesday, July 17, 2018 12:08:31 PM

The story nobody is talking about, except DUTG, is direct use of natural gas. Direct use is way cheaper than wind + storage or solar + storage...not even close. And, it reduces emissions in most places. And, it saves ratepayers money. And on and on and on. Every article I see talks about natural gas turbines, not Direct Use. Need to get our story out.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) ACEEE 2018 Rural Energy Conference
Date: Thursday, June 21, 2018 11:51:35 AM

UPDATE

[ACEEE initiative to jumpstart rural America's untapped potential for energy savings](#)

Looks to exclude non-electric options.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) ACEEE 2018 Rural Energy Conference
Date: Thursday, June 21, 2018 11:52:53 AM

To continue reading this blog post, visit: <http://www2.aceee.org/e/310911/ural-initiative-aims-jumpstart/2sdjqn/159972867>



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From: [Arthur Corbin \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) "Trump nominates climate doubter Simmons to head DOE renewables office"
Date: Friday, June 15, 2018 3:10:56 PM

I agree Mark. Thanks for posting this article!



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) "Legal Pathways to Deep Decarbonization in the=0AUnited States " (etc.)
Date: Wednesday, June 6, 2018 1:30:48 PM

They also put out an online database called [Climate Deregulation Tracker](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) "Legal Pathways to Deep Decarbonization in the=0AUnited States " (etc.)
Date: Wednesday, June 6, 2018 3:51:52 PM

Dave:

what is your take on the article you posted?



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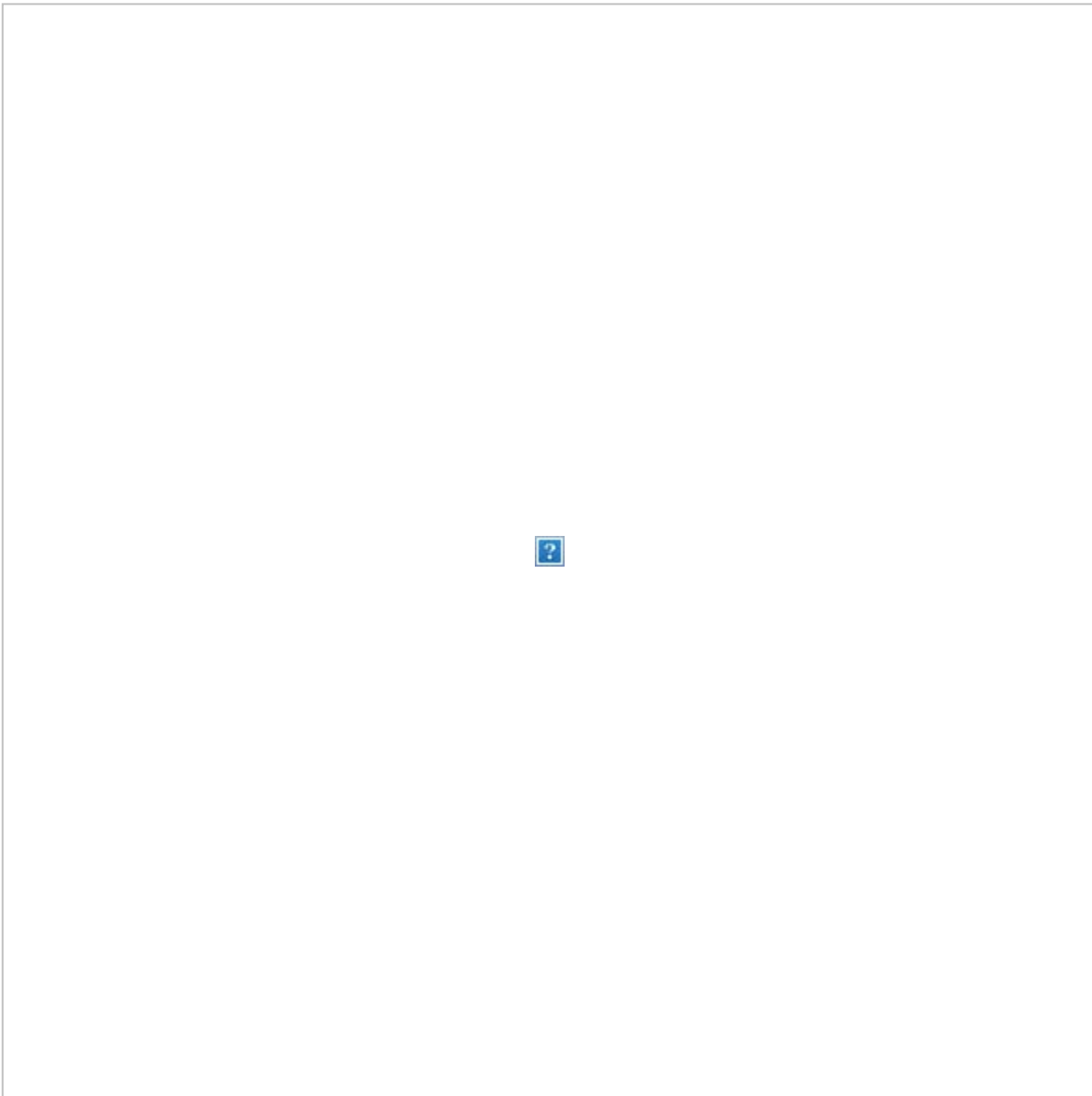
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From: [Arthur Corbin \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) "Legal Pathways to Deep Decarbonization in the=0AUnited States " (etc.)
Date: Monday, June 11, 2018 5:20:00 PM

Dave,

This article is another prime example of the author not having their facts straight. The author's statement in the third paragraph regarding buildings (that is, implied residential buildings) "constitute the second largest source of greenhouse gases in the state" is just not true. According to the most recent data reported by the California Air Resources Board shown below, residential buildings are one of the smallest sources of greenhouse gases in the state, behind agriculture, electric generation, industrial and transportation!





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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) "How Might Electrification Affect Electric and Gas Systems? Recent Studies Shed Both Light and Heat"
Date: Tuesday, September 18, 2018 12:04:33 PM

PS:

At the end of the article, there is a place to give ACEEE feedback. We probably should once we have thought it out.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Who to believe?
Date: Wednesday, June 13, 2018 9:13:38 AM

June 11, 2018: [Solar Has Overtaken Gas and Wind as Biggest Source of New U.S. Power](#)

June 11, 2018: [No growth in U.S. solar installations this year](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Washington Post: "White House seeking more clean energy cuts despite congressional opposition"
Date: Thursday, June 28, 2018 1:14:18 PM

https://www.washingtonpost.com/news/powerpost/paloma/the-energy-202/2018/06/27/the-energy-202-white-house-seeking-more-clean-energy-cuts-despite-congressional-opposition/5b327bab1b326b3967989c90/?utm_term=.85e81e62bbf1

Excerpt:

The OMB request for even less funding for scientific and applied energy research is likely to be a tough pill for Congress to swallow this time around. Yet both budget requests are a signal that OMB, led by the fiscal hawk Mick Mulvaney, wants to reshuffle priorities for the sprawling Energy Department

E&E News PM also reported [Leaked memo shows Trump planning deep 2020 budget cuts](#) citing the Post as its source (subscription required):

E&E's coverage included the "leaked" OMB "guidance memo" shown below:



[leaked budget guidance document 22JUN2018.pdf 168 KB • Download](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) The Social Benefits of Fossil Fuels Far Outweigh the Costs
Date: Tuesday, June 19, 2018 12:34:30 PM

WSJ: https://www.wsj.com/articles/the-social-benefits-of-fossil-fuels-far-outweigh-the-costs-1529258294?mod=hp_opin_pos3

Download the PDF: https://www.heartland.org/_template-assets/documents/policy-documents/Bast-Ferrara%20Social%20Benefits%20of%20Fossil%20Fuels.pdf



[Bast-Ferrara Social Benefits of Fossil Fuels.pdf](#) 1.03 MB • [Download](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) The latest "deep decarbonization/beneficial electrification" study
Date: Tuesday, June 5, 2018 12:48:12 PM

It's called the [Renewables 2018 Global Status Report](#) and it lists EERE's NREL as a member. Consequently, this report seems to be the kind of thing that Fitzsimmons wants us to keep him informed about.

Excerpt:

A faster transition to a renewable energy future requires a holistic, system-wide approach, including increasing energy efficiency measures to reduce overall energy demand. It is not enough to simply build more wind farms or put solar panels on every rooftop. Nor is it enough to substitute electricity for natural gas used for heating if the source of the electricity is not renewable. Put simply, renewables need to be used to meet the energy needs of all sectors. This means that renewable energy providers need to better understand the thinking, challenges and opportunities in every end-use sector. Local involvement of all stakeholders and local ownership (e.g., prosumers, community energy) is also critical.



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) The Dishwasher Rebellion
Date: Wednesday, June 27, 2018 12:58:20 PM

Great article in the WSJ on DOE rules forcing manufacturers to make appliances that do not do their job...consumers are fed up. Sofie Miller at DOE understands this issue...could be an opening to work with DOE to change appliance efficiency rules and models.

Link requires a WSJ subscription I think. <https://www.wsj.com/articles/the-dishwasher-rebellion-1530116900>



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) The "Regulatory Assistance Project" (RAP) latest "beneficial electrification" article & webinar
Date: Friday, July 6, 2018 10:17:40 AM

The mission of RAP is to indoctrinate regulators under the guise of "assistance." I wrote an article about RAP here:

[The Regulatory Assistance Project \(RAP\): Warring Against Gas](#)

Here is the latest RAP article:

[Fuel-Switching: We Just Did This in 1990, So Why Are We Doing It Again?](#)

Excerpt:

- *In 1990, replacing electric resistance space-heating equipment with onsite fossil fuel space-heating and water heating technology offered efficiency savings and reduced emissions. Today, the exact opposite is true; fuel-switching from fossil-powered end uses to electrified ones now produces those results.*

Here is the webinar:

[Beneficial Electrification: Principles for the Public Interest](#)

Note that RAP, along with EPRI and the State of California, proclaim "beneficial electrification" to be market-based and consumer-oriented. Many of us think "forced electrification" best describes what this really is and some want to use that term exclusively. I disagree. What this really is about is coerced electrification.

"Coerced" is similar to "forced" but much more nuanced as shown by the following

[synonyms](#):

- [browbeat](#)
- [bully](#)
- [intimidate](#)
- [repress](#)
- [strong-arm](#)
- [suppress](#)
- [terrorize](#)
- [beset](#)
- [bulldoze](#)
- [concuss](#)
- [constrain](#)
- [cow](#)
- [dragoon](#)
- [drive](#)
- [force](#)
- [hinder](#)
- [impel](#)
- [make](#)
- [menace](#)
- [oblige](#)
- [pressurize](#)
- [push](#)

- [restrict](#)
- [threaten](#)
- [urge](#)
- [high pressure](#)
- [lean on](#)
- make an offer they can't refuse
- [put the squeeze on](#)
- [shotgun](#)
- twist one's arm

Their coercion strategy, is also behind the [recent pact between NRDC and EEI](#) and is centered on regulatory and legislative indoctrination. Joseph Goebbels would be proud:

“If you tell a lie big enough and keep repeating it, people will eventually come to believe it. The lie can be maintained only for such time as the State can shield the people from the political, economic and/or military consequences of the lie. It thus becomes vitally important for the State to use all of its powers to repress dissent. ...”



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) The "Electrify Everything" guy is back
Date: Monday, June 25, 2018 12:02:27 PM

This time he's is promoting the latest RMI study [The Economics of Electrifying Buildings](#).

See his article here:

<https://www.vox.com/energy-and-environment/2018/6/20/17474124/electrification-natural-gas-furnace-heat-pump>



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Southern California Gas letter to CEC: 6/12/2018
Date: Wednesday, June 20, 2018 2:40:09 PM

A good read. My only criticism is that it's short on discussing gas as an end-use alternative to electricity. But, after-all, this is California we're dealing with :-)



[Southern California Gas Co letter to CEC.pdf 941 KB](#) • [Download](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Solar Going Big (And Small) In Illinois
Date: Thursday, September 20, 2018 10:24:50 AM

APGA has members in Illinois so listen-up.

It looks like Illinois may be going the way of California (and elsewhere) by opening up competition for alternative electricity providers (a.k.a., "Community Solar," a.k.a., "[Community Choice Aggregation](#)."

As some of you know, I view this more of an **potential** opportunity for natural gas direct use as opposed to a threat. Envision this: small natural gas-fueled generators competing with solar and/or wind as well as backup to solar and/or wind as well as direct-use in the home to decrease the cost of home renewable systems.

For example, what sense is there to spend thousands of dollars per kW for renewables and batteries to serve a 220 volt 50 amp electric range that is used 2 hours per week?

There is lots of **potential** here to really fight back against "beneficial electrification."

I'm bolding **potential** because it is both the key to staying relevant and our challenge in rising to the occasion. In other words, complacency kills.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Slew of environmental lawsuits aren't about climate change, they're about attacking energy companies
Date: Thursday, September 20, 2018 10:51:09 AM

A worthwhile read:

<https://www.washingtonexaminer.com/opinion/slew-of-environmental-lawsuits-arent-about-climate-change-theyre-about-attacking-energy-companies>

In that article is this link to another good/related read.

Government for Rent

How Special Interests Finance Governors to Pursue Their Climate Policy Agenda

<https://cei.org/governorsclimatescheme>



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Simmons confirmation hearing this morning
Date: Wednesday, June 20, 2018 7:50:11 AM

<https://www.energy.senate.gov/public/index.cfm/hearings-and-business-meetings?ID=F834DE68-78F9-4F57-9D90-1D162FF31677>



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Revised Agenda for Next Week's DUTG Conference Call
Date: Friday, June 15, 2018 5:02:52 PM

Attached is a revised agenda for the 3pm, June 20th DUTG conference call. To participate in the call, please dial 1-800-582-3014 and the passcode is 828590281#.

 [AGENDA FOR THE JUNE 2018 CONFERENCE CALL OF THE DIRECT-USE TASK GROUP.docx 16.6 KB](#) • [Download](#)

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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Renewable shift hinges on green "conflict minerals" — report
Date: Wednesday, September 19, 2018 10:39:49 AM

"Beneficial electrification" is hedging its bets on low-cost renewables going forward. Maybe that's not a safe bet. At least that's the call issued by the International Institute for Sustainable Development (IISD), a Canadian think tank that issued a [report](#) last month on the minerals critical to manufacturing solar panels, wind turbines and other renewable technologies.



[green-conflict-minerals.pdf 5.11 MB](#) • [Download](#)



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Really? Electricity #1 Partner for a Resilient City? I think not.
Date: Thursday, September 20, 2018 9:32:16 AM

<https://www.cta.tech/News/Blog/Articles/2018/September/Your-1-Partner-for-a-Resilient-City-Hint-Think.aspx>

This came in the Spire daily email today...electricity is probably the least resilient form of energy used in the home...natgas, propane, diesel, fuel oil...even an old coal stove are more resilient than electricity. The first service to go down in any storm is your electric service. Sewer, water, even phone and fiber are usually still working. Electricity is the weak link. And they're claiming it is the key to resiliency...it is the key risk exposure. But, if you say it long enough and loud enough, it magically becomes true.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Question for the group: What % of electric space heat is resistance vs. heat pump?
Date: Friday, June 22, 2018 1:03:12 PM

Nick is asking for it. I know I saw the data recently, but I can't place where.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Organizing for EPRI "Electrification 2018" Conference
Date: Wednesday, June 13, 2018 1:41:39 PM

[Agenda](#)

I downloaded the full agenda as a PDF and marked my preferred sessions in yellow per the attachment. To start the process of trying to cover everything, I suggest everyone else do the same in a different color.

Of course, you will need Acrobat or a clone to do it.



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From: [Daniel Lapato \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Oregon Proposes Legislation to allow their Department of Energy the authority to adopt or update energy efficiency standards for appliances and equipment by administrative rule.
Date: Tuesday, June 26, 2018 8:49:57 AM

Oregon Department of Energy (ODOE) has published a “Statement of Purpose” (see below) which is a premier for draft legislation that would give them the ability to establish energy efficiency standards for appliances and equipment not covered by the federal government. The proposed legislation would remove the current requirement where the Oregon Legislative Assembly has to take action in order for appliance standards to become effective. Instead it would require standards to be adopted by ODOE in consultation with a new Appliance Standards Review Panel. This model is very similar to the federal process.

Here is the interesting twist, **because Oregon lacks the resources to develop their own standard, ODOE could only adopt new and updated standards that have already been adopted by other adjoining states.** Currently, Oregon can only adopt standards thru the legislative process, this legislation would allow the administration to “piggyback” onto what California is proposing. Over the past year and half, we have begun to see a bifurcation in how minimum energy efficiency standards are developed. Oregon along with California, New York and Massachusetts have all begun to push for more stringent appliance efficiency standards within their own state. These states do represent a large purchasing block and could impact what products manufactures produce.

 [LC 33000-02 Appliance Oregon.docx 61.2 KB](#) • [Download](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Ontario to Scrap Green Energy Act
Date: Friday, September 21, 2018 12:09:57 PM

This is a prime example of why "deep decarbonization" through "beneficial electrification" will not necessarily lead to the demise of natural gas direct use (unless we let it):

Excerpts from my friends at [Science Matters](#):

*By scrapping the Green Energy Act, passed by former Liberal premier Dalton McGuinty in 2009, Premier Doug Ford is **ending one of the worst legislative disasters ever inflicted on the people of Ontario.***

The GEA is largely responsible for Ontario's skyrocketing electricity prices.

*It's the reason we're **paying outrageously high prices for green energy** the Liberals didn't need in order to eliminate coal power, which was actually done using nuclear power and natural gas.*

*The **jobs the Liberals promised under the GEA never materialized**, according to former Ontario auditor general Jim McCarter in his 2011 annual report.*

*The GEA made Ontario's energy grid less efficient because it **required the province to buy expensive and unreliable wind and solar power from green energy developers under 20-year contracts**, before purchasing other forms of energy.*

*Auditor General Bonnie Lysyk reported in 2016 that **Ontario electricity consumers had overpaid \$9.2 billion** for green energy, because the Liberals ignored the advice of their own experts on how to price it*



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) OMB announces federal agency reorganization plan including DOE
Date: Thursday, June 21, 2018 7:51:58 PM

DOE reorg starts at page 63. I think I like it.



[Federal Agency Reform Plan and Reorganization Recommendations.pdf 5.11 MB](#) • [Download](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) NRECA & NRDC hire Brattle for another electrification study
Date: Wednesday, July 18, 2018 9:26:58 AM

Under the guise of net zero communities.

[Press release](#)

[Study](#)

Excerpts:

A focus on energy conservation overlooks the potential environmental benefits of “beneficial electrification,” which could produce net environmental benefits even if the result does not minimize the home’s total energy consumption.³

As the power supply mix continues to decarbonize in many regions, initiatives to reduce the carbon footprint of homes should evolve accordingly. Rather than focusing narrowly on reducing total energy use, positive environmental outcomes may also be achieved by shifting consumption to the lowest-emitting energy sources. Such an approach – also known as “efficient electrification” or “beneficial electrification” - could produce net environmental benefits even if the result does not minimize the home’s total energy consumption.⁸



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) North America Long-Term Power Demand Forecast
Date: Thursday, September 20, 2018 9:57:19 AM

I'll be en-route to the Colorado West Slope and ask that someone monitor this webinar.

From Woods Mackenzie (the parent of "clean energy" advocate [GTM Research](#) a.k.a. Greentechmedia):

On Tuesday, September 22, [join our one-hour webinar](#) from 11:00 a.m. to noon (Central) as we discuss this and other power market trends, including:

- The renewables and natural gas balancing act to maintain reliability and resiliency
- Exploring the shortcomings of today's resource adequacy metrics and the increasing importance of robust forward capacity mechanisms
- Best practices around identifying markets where solar and wind can best serve reliability and quantifying flexible resource needs
- The role of energy storage in unifying a clean, lean and resilient North American power grid

BTW: here's a picture showing the resiliency of renewables from Puerto Rico



[puerto_rico_solar.jpg](#) 105 KB • [Download](#)



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From: [John Gregg \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) New NG Messaging Group Emerges in DC
Date: Tuesday, June 26, 2018 6:29:40 PM

On the eve of the World Gas Conference in Washington, *Gas Daily* reports that a new global pro-natural gas coalition launched Monday with its focus of creating a unified message that gas serves as a foundation for economic growth. Dennis Arriola, chief strategy officer for Sempra Energy said: "As part of a true global energy strategy, gas producers, infrastructure developers and operators, manufacturers, labor and consumers need to harmonize the key messages and coalesce around a universal image and build a platform to support natural gas as a foundational fuel for our world."

"We want to create a unified message and strong voice that advocates for natural gas as essential to quality of life, to continued prosperity in established economies and fueling economies around the world," Arriola said.

Although there was no mention of direct use, *Gas Daily* reported that the coalition will be open to US and international organizations that have an interest in gas, as well as manufacturers, utilities, pipeline, LNG companies, labor groups and academic institutions.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) New ASHRAE President's electrification plan?
Date: Thursday, July 5, 2018 9:46:55 AM

Looks that way to me: <https://www.ashrae.org/about/leadership/ashrae-president/presidents-address>

I guess working at NREL for 26 years might account for it. Does anyone else have a problem with ASHRAE being run by an NREL employee?

Excerpt

We're going to partner with APPA to work with universities interested in using their campus as living labs.



[ASHRAE new_energy_future_web_061518.pdf](#) 1020 KB • [Download](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Lazard again
Date: Thursday, June 21, 2018 11:56:30 AM

[A new report shows where our energy will come from 30 years from now](#)



Lazard again.jpg 95.5 KB • [Download](#)



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From: [John Gregg \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Latest Bit of DOE Modeling
Date: Tuesday, June 12, 2018 4:27:51 PM

The latest DOE macroeconomic model comes this month in the “2018 Macroeconomic Outcomes of Market Determined Levels of U.S. LNG Exports” prepared by NERA Economic Consulting. This fifth LNG study now includes a larger number of scenarios (54 scenarios) to capture a wider range of uncertainty in four natural gas market conditions than examined in the previous studies. Posted on the DOE/FE website at:

<https://fossil.energy.gov/app/docketindex/docket/index/10>

For the low U.S. demand case, an aggressive national Renewables Mandate that is in line with California’s stringent RPS target was assumed. This mandate crowds out natural gas generation and natural gas demand in the electric sector. “We estimate that by 2040, this mandate will displace 6 Tcf of natural gas in the electric sector.” The low international demand case takes natural gas demand for all other countries from a World Energy Outlook (WEO 2016) case that assumed all countries adopt policies to reduce fossil energy use sufficiently to achieve the aggressive greenhouse gas reduction of holding concentrations below 450 ppm CO₂e (The low U.S. natural gas demand case was defined by assumptions about future renewable energy policies in the U.S., not by U.S. adherence to a 450 ppm goal.).



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Increasing EPA's Scientific Transparency
Date: Wednesday, June 20, 2018 5:12:21 PM

Article was written by Sophie Miller's old boss and is germane to DOE's Process Improvement Rule.

<https://www.theregreview.org/2018/06/18/dudley-increasing-epas-scientific-transparency/>



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) House Approves Bill Prohibiting the Use of Funds for Any Regulation or Guidance Related to the Social Cost of Carbon
Date: Monday, June 11, 2018 12:10:23 PM

http://columbiaclimatelaw.com/climate-deregulation-tracker/house-approves-bill-prohibiting-the-use-of-funds-for-any-regulation-or-guidance-related-to-the-social-cost-of-carbon/?mc_cid=28139f9e03&mc_eid=0075966ed9



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From: [John Gregg \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Going After NG Emissions: New EDF Study
Date: Monday, June 25, 2018 1:38:41 PM

The Environmental Defense Fund (EDF) just published a study saying that its estimate of 2015 supply chain emissions is equivalent to 2.3% of gross U.S. gas production--60% higher than the U.S. EPA inventory estimate. The study is here: <http://science.sciencemag.org/content/early/2018/06/20/science.aar7204.full>

AGA tells its members that it is taking a proactive approach to this issue, publishing "[Five Things To Know About New EDF Methane Study](#)." Richard Meyer, AGA's Managing Director of Energy Analysis read the study thoroughly and had a number of insights into the methodology (below) that we are sharing with the media. Simply put, AGA feels that too many liberties were taken with the assumptions in the study to serve a desired outcome.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Fear mongering du jour
Date: Friday, July 13, 2018 11:16:50 AM

As reported by today's E&E News Climatewire: [EMISSIONS: Trees are losing their ability to soak up CO2](#) (subscription required)

Link to source of article : <http://dx.doi.org/10.1038/s41467-018-05132-5>



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) End of the "gas rush?" Renewables, storage reaching cost parity, report finds
Date: Monday, June 11, 2018 12:08:10 PM

Yep; based on Lazard.

<https://www.utilitydive.com/news/end-of-the-gas-rush-renewables-storage-reaching-cost-parity-report-fin/524840/>



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Electrification articles du jour
Date: Monday, July 16, 2018 11:51:56 AM

1. <https://www.greentechmedia.com/articles/read/the-policy-changes-needed-to-mainstream-all-electric-buildings#gs.AddgmYc>
2. <https://www.greentechmedia.com/articles/read/electrify-everything>



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) EIA Energy Conference in D.C.
Date: Friday, June 8, 2018 5:44:29 PM

Presentations from EIA Conference: <https://www.eia.gov/conference/2018/>

No protesters this year...Perry didn't speak.



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From: [John Gregg \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Draft Product Class Petition
Date: Saturday, July 14, 2018 9:05:44 AM

The DUTG has been debating the submittal of a petition for rulemaking to create a separate product class for non-condensing natural gas equipment. In our last call, we determined to keep the focus on furnaces alone.

We have made this point in the gas furnace NOPR for years, which DOE rejected as explained in the attached. We made our points again in a "non-threatening" Request for Interpretation filed in June 2017. The NOPR request requires at least a notice.

This draft

 [Product Class Petition_ Non-C Furnace.DOCX 52.3 KB](#) • [Download](#)

will be discussed on the call on July 19th.

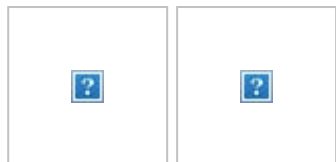


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
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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Draft Agenda for the June 20th DUTG conference call
Date: Tuesday, June 12, 2018 4:34:45 PM

Attached is a draft agenda for the June 20th conference call of the DUTG scheduled for 3pm eastern time. Please let me know if you have any revisions to the agenda. To participate in the conference call, please dial 1-800-582-3014 and the passcode is 828590281#.

 [AGENDA FOR THE JUNE 2018 CONFERENCE CALL OF THE DIRECT-USE TASK GROUP.docx 15.7 KB](#) • [Download](#)

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From: [Jason Stanek \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Draft AGA Policy Statement on Electrification efforts in the Codes & Standards Arena
Date: Friday, September 21, 2018 9:51:50 AM

All, please find attached a draft document developed by the AGA Building Energy Codes and Standards Committee (BECS) at our meeting last week. The document focuses on electrification efforts and how these policies may impact national building codes and standards. It will provide AGA members a directive when faced with potential code proposals that may be bias towards electrification and elimination of natural gas. The committee is looking for any feedback prior to finalizing and moving forward to AGA senior staff. Thank you

 [Alternative AGA Guiding Principles on Electrification Draft 9.12.18 \(003\).docx 17.3 KB](#) • [Download](#)

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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Deloitte: Renewables poised to become world's "preferred energy source"
Date: Friday, September 21, 2018 11:39:22 AM

You guessed it: Based on Lazard's LCOE (per endnote 2)

As stated in a [Forbes article](#) - *"The LCOE is like a bad line of code in a software program used to develop other software programs. It has dangerously skewed investors' understanding of the economics of generating electricity from renewable energy resources." It has also had perverse and difficult to undo impacts on local, state and federal energy policies."*

Also of interest is the stock Deloitte puts into blockchain.



[Deloitte renewables forecast.pdf 2.27 MB](#) • [Download](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Deadly Dangers Lurk In Natural Gas Distribution Lines
Date: Tuesday, September 18, 2018 9:27:45 AM

<https://www.forbes.com/sites/rrapier/2018/09/17/deadly-dangers-lurk-in-natural-gas-distribution-lines/>



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Courtesy of AGA BECS Committee weekly update
Date: Friday, July 13, 2018 11:18:43 AM

National Renewable Energy Laboratory (NREL) Study of “Electrification Futures” Focuses on End Use Markets and Technologies.

At the request of the AGA BECS Committee, AGA Code and Standards staff is following “electrification” studies underway at various organizations and consortia. Discussion of electrification polices and analysis have been added to the standing agenda for meetings of the BECS Committee. Of specific concern is how such studies may be referenced as justification in support of proposed building energy efficiency code provisions to Building Energy Codes that would prohibit the use of fossil fuels, including natural gas, in homes and buildings. The NREL study, “Electrification Futures Study: Scenarios of Electric Technology Adoption and Power Consumption for the United States,” is the second publication of the study group led by NREL staff and supported by a long list of organizations including Electric Power Research Institute, Evolved Energy Research, Lawrence Berkeley National Laboratory, Northern Arizona University, Oak Ridge National Laboratory, and other organizations identified in the study’s Acknowledgements section. The study is available through the following link:

<https://www.nrel.gov/analysis/electrification-futures.html> and is one of a “Electrification Futures Study” series, preceded by “End Use Electric Technology Cost and Performance Projections Through 2050,” discussed in an earlier BECS Committee End Use Codes and Standards Update. The Study series implicitly presumes a net societal benefit of electrification of the world economies while explicitly crediting a movement of economies toward electrification as a “major emerging trend in energy markets around the world.” As such, it does not debate the society benefits versus costs of this “trend,” nor does it account for the diversity of energy systems and needs of economies, which have substantive differential impacts where movements toward electrification is policy driven. A primary “motivation” for electrification is because electricity sales and revenues “have stagnated or fallen over the past decades,” not societal benefits.

“Key findings” of the study scenarios focus on learnings from historical experiences and end use market dynamics to describe the “opportunity” for expanding electrification through increased revenues from end uses, including “historical energy transformations” over industrial and post-industrial history, conversion of transportation to electromotive technology, end use and regional growth opportunities in building and industrial use of electricity, demand growth rate potentials under different scenario options, load shifting opportunities from broader adoption of electric space heating and water heating products, and economy-wide market shifts in primary energy demand both for power generation and delivered energy. The study concludes with a listing of “forward-looking opportunities” for demand-side expansion, focusing mainly on better analytical tools and data for understanding consumer choices, impacts of those choices, impacts on load shapes and effects on costs, and “non-technical and system factors” affecting rollout of electrification activities.

In short, the study presents a federal government National Laboratory-sponsored planning document for economy-wide electrification based on expansion of electricity end use, which naturally presumes expansion at the expense of natural gas direct use and reduction in the direct use of fossil fuels generally. The study does not address energy efficiency as such, except for incidental increases achievable by newer end use products. Continued use of fossil fuels to support electrification is presumed. As has been raised in the past during BECS Committee discussions on the first NREL report, there is serious concerns that the report can be described as more of a promotional work and may not be a proper role for a National Laboratory activity. BECS Committee members are requested to review the NREL report and be prepared to discuss at the upcoming meeting on September 11-12, 2018 in Burlington, Vermont.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Climate Change, Fossil Fuels, and Human Well-Being
Date: Wednesday, July 18, 2018 10:54:51 AM

<https://cei.org/blog/climate-change-fossil-fuels-and-human-well-being>

Along the lines of Alex Epstein but more technical back-up. A good read and background to refute the growing chorus of those seeking our demise.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Climate Change Has Run Its Course
Date: Wednesday, June 6, 2018 9:37:18 AM

Great WSJ article. View without subscription here:

<https://www.thegwpf.com/steven-hayward-climate-change-has-run-its-course/>



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) California Climate Policies Facing Revolt from Civil-Rights Groups
Date: Wednesday, September 19, 2018 4:08:38 PM

Hugely expensive green mandates will hit poor Californians the hardest.

<https://www.manhattan-institute.org/html/california-climate-policies-facing-revolt-civil-rights-groups-11481.html>



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Attached are draft minutes from this week's DUTG conference call
Date: Friday, June 22, 2018 10:50:03 AM

Please let me know if you have any revisions. Thanks, Dave

 [MINUTES FOR THE JUNE 2018 CONFERENCE CALL OF THE DIRECT-USE TASK GROUP.docx 21.8 KB](#) • [Download](#)

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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) APGA Op-Ed in Long Beach Paper
Date: Friday, June 22, 2018 8:27:10 AM

In response to the ongoing push within California for electrification, APGA submitted an op-ed which just ran on the online version of the Long Beach Press Telegram. We had worked with Long Beach and SoCal on the development of the op-ed and many of you also provided input and I want to thank you for your comments. A copy of the piece may be viewed at - <https://www.presstelegram.com/2018/06/21/restricting-customer-choice-and-burdening-hardworking-people-through-electrification/>



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Another day, another beneficial electrification article
Date: Tuesday, July 17, 2018 11:09:48 AM

[Clean energy is catching up to natural gas](#)

The natural gas “bridge” to sustainability may be shorter than expected [citing Lazard]

Excerpts:

Around 2015, though, just five years into gas’s rise to power, complications for this narrative began to appear. First, wind and solar costs fell so far, so fast that they are now undercutting the cost of new gas in a growing number of regions. And then batteries — which can “firm up” variable renewables, diminishing the need for natural gas’s flexibility — also started getting cheap faster than anyone expected. It happened so fast that, in certain limited circumstances, solar+storage or wind+storage is already cheaper than new natural gas plants and able to play all the same roles (and more).

The cost of natural gas power is tethered to the commodity price of natural gas, which is inherently volatile. The price of controllable, storable renewable energy is tethered only to technology costs, which are going down, down, down. Recent forecasts suggest that it may be cheaper to build new renewables+storage than to continue operating existing natural gas plants by 2035.

That means natural gas plants built today could be rendered uncompetitive well before their rated lifespan. They could become “stranded assets,” saddling utility ratepayers and investors with the costs of premature decommissioning.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Another ACEEE webinar with an electrification message
Date: Thursday, September 20, 2018 10:40:26 AM

I see no natural gas utility involvement in ACEEE's rural energy efficiency programs; but maybe that's our fault.

Anyway, to learn more, there's a [webinar today from 12:00 PM - 1:00 PM CDT](#)

Also see: [Beyond the burbs: Saving energy in rural communities](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) A Master Resource article by Daniel Simmons
Date: Tuesday, June 5, 2018 11:04:39 AM

<https://www.masterresource.org/demand-side-management/demand-side-management-government-planning/>

Also see comments.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) "Trump nominates climate doubter Simmons to head DOE renewables office"
Date: Friday, June 15, 2018 12:55:21 PM

<https://www.utilitydive.com/news/trump-nominates-climate-doubter-simmons-to-head-doe-renewables-office/525827/>

So far, Simmons has basically been at DOE on a trial basis. This could explain why he hasn't been outspoken about consumer choice issues. "you got to go along to get along."

The above article is also an indication that he will likely be attacked by the "clean energy" status quo. Consequently, we (me included) need to take care to not jeopardize his conformation.

Conversely, it may also indicate a need to defend him; especially if he gets confirmed and starts initiating change in earnest.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) "Legal Pathways to Deep Decarbonization in the=0AUnited States " (etc.)
Date: Wednesday, June 6, 2018 1:28:00 PM

I found a trove of legal publications (from the perspective of environmentalists) that may be useful to us for understanding their strategies and tactics:

<http://columbiaclimatelaw.com/program-areas/energy-law/clean-energy/>

- All publications on **energy efficiency** are available [here](#).
- All publications on **renewable energy** are available [here](#).

Two are attached as examples:



[Legal-Pathways-for-a-Massive-Increase-in-Utility-Scale-Renewable-Generation-Capacity\(1\).pdf](#) 861 KB • [Download](#)



[Ross_2017-07_Appliance-Equipment-Efficiency-Standards-Working-Paper-RFS\(1\).pdf](#) 596 KB • [Download](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) "How Might Electrification Affect Electric and Gas Systems? Recent Studies Shed Both Light and Heat"
Date: Tuesday, September 18, 2018 11:59:24 AM

From the *American Council for an Energy-Efficient Economy* (ACEEE)
<http://www2.aceee.org/e/310911/w-might-electrification-affect/3vpmmg/207151791>

ACEEE's article reviews NREL, EPRI and AGA/ICF for the ostensible purpose of **"Making Sense of These Different Findings."**

Rather than me commenting, I suggest you read it, judge for yourself and report back with your thoughts.



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From: [Basecamp](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Reset your password
Date: Thursday, April 26, 2018 5:24:48 PM



Hi Dave,

Can't remember your password? Don't worry about it — it happens.

So you know, your username is: **David.Kearney@Richmondgov.com**

[Click this to reset your password](#)

Have questions? Need help? [Contact our support team](#) and we'll get back to you in just a few minutes – promise.

From: [Basecamp](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Reset your password
Date: Monday, May 14, 2018 11:07:33 AM



Hi Dave,

Can't remember your password? Don't worry about it — it happens.

So you know, your username is: **David.Kearney@Richmondgov.com**

[Click this to reset your password](#)

Have questions? Need help? [Contact our support team](#) and we'll get back to you in just a few minutes – promise.

From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Will CPUC Deny \$639M Pipeline Replacement Project?
Date: Friday, May 4, 2018 1:22:28 PM

Here is the Earth Justice press release on the subject:

[California Public Utilities Commission Rejects Dirty Gas Pipeline in San Diego](#)



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From: [Greg Henderson \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Will CPUC Deny \$639M Pipeline Replacement Project?
Date: Friday, May 4, 2018 1:45:34 PM

I wish all of California had only actual renewable energy so they could physically be in the same dark they are mentally.

Greg Henderson, President & CEO
Southeast Gas
PO Box 1338
Andalusia, AL 36420



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From: [Tom Tanton \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Will CPUC Deny \$639M Pipeline Replacement Project?
Date: Friday, May 4, 2018 3:34:52 PM

There are those of us in California who are fighting for sanity. Each announcement such as this actually gives me hope that the bottom has finally arrived.



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From: [Sue Kristjansson \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Will CPUC Deny \$639M Pipeline Replacement Project?
Date: Saturday, May 5, 2018 10:03:40 AM

Oh for crying out loud. I don't know why I continue to be surprised by decisions made in California but this one had me shaking my head.

Now that I am in the SE, I just have to say, "bless their heart". :)



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From: [Sasha Benjamin \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Will CPUC Deny \$639M Pipeline Replacement Project?
Date: Saturday, May 5, 2018 12:50:36 PM

So they so no to more needed capacity...what will they do when they finally realize electrification is more costly and just won't work? Be careful Sue, you're starting to sound like a real southerner! ;)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Will CPUC Deny \$639M Pipeline Replacement Project?
Date: Tuesday, May 8, 2018 12:22:32 PM

They will say “oops; sorry.”



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From: [Daniel Lapato \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Water Heater Cost and Emissions
Date: Monday, April 16, 2018 2:06:20 PM

Jim,
This is great! I really like how interactive it is. Do you think we could break the numbers down (especially for water usage) to a monthly rate?
Thanks,
Dan



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Water Heater Cost and Emissions
Date: Monday, April 16, 2018 2:10:29 PM

I can change just about anything on there to make it as effective as possible. Calcs are on the last page if somebody wants to check my math. If anybody has a definitive source for hot water usage...that is an area that could be improved. The intent is to give somebody that doesn't know how much water they use a tool...maybe based on how many people live there...20 gallons/person/day.



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From: [Tom Tanton \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Water Heater Cost and Emissions
Date: Monday, April 16, 2018 4:14:23 PM

so on your cost per on reduced (where it reduces GHG going from gas to electric) there aren't any states where the cost is not way above the value as measured by the social cost of carbon (or at least the now discredited SCC)...not a good deal anywhere.



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From: [John Gregg \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Water Heater Cost and Emissions
Date: Tuesday, April 17, 2018 9:18:39 AM

Very cool. Interested to know how you want to use this. I'm sure you will add some "up front" text to explain what you are showing in summary in a paragraph or two. Is this a tank water heater only or is tankless analysis the same? Small comment: I'd change "Blue state" to "Green state" to avoid the political moniker.



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From: [Arthur Corbin \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Water Heater Cost and Emissions
Date: Tuesday, April 17, 2018 9:36:42 AM

Jim,
Excellent work!! Unfortunately I'm not aware of any studies showing average hot water usage by state or region. However, I'll put this question out to those in our organization that may have this information. I realize this is a work in progress. I agree with John's comments on the need for some explanation for users to navigate this site/analysis tool. My only comment is on the use of average pricing verses marginal pricing. This may be both the best information available and the best way to analyze the cost differences between electricity and natural gas.

Thanks for doing the heavy lifting to get this tool off the ground!!



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Water Heater Cost and Emissions
Date: Tuesday, April 17, 2018 9:48:26 AM

John...good catch on the "blue" state...had not thought of that. I'll play around with color. We will be using this info in front of customers, regulators, legislators...help get the message out that Natgas Direct Use is cheaper and fewer emissions in most states.

Arthur...I used average because that is what EIA has. I have not found anybody that publishes good marginal rates by state. I have it for Missouri and Alabama, but it would take a lot of time and effort to track marginal tariffs across every utility in the country. I am on the EIA AEO Electricity working group. We are meeting on 4/20 and I'll bring up the possibility of adding marginal prices to the data they collect.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Water Heater Cost and Emissions
Date: Tuesday, April 17, 2018 9:48:33 AM

There's plenty info on the web:

<https://www.google.com/search?q=average+hot+water+usage&ie=utf-8&oe=utf-8&client=firefox-b-1>

I recall from back in the day when I was on the predecessor to ASRAC that EERE also had to calculate this. They "determined" that people with gas water heaters used more hot water than people with electric heaters. This allowed DOE to apply more costly efficiency increases for gas water heaters.

While their premise is likely true somewhat (because people with electric hot water heaters run out of hot water and get out of the shower) it may also indicate that people with gas water heaters are cleaner than people with electric water heaters.

Perhaps we can use that in a ad campaign: "**Natural gas water heaters: the real clean energy.**" :-)



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Water Heater Cost and Emissions
Date: Tuesday, April 17, 2018 9:54:37 AM

There is a ton of info out there on water usage, but haven't found a definitive federal source like EPA or EIA with a solid number. Is it per person...per day...per appliance. I put in a range because I've seen numbers anywhere from about 15000-50000 per year depending on a lot of things.

Also...I plan on using SCAN data from the feds on soil temperature average for each state...it ranges from 40s to 70s depending on the state. I think 30" soil temp is a good proxy for the inlet temp on a water heater.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Water Heater Cost and Emissions
Date: Tuesday, April 17, 2018 10:01:07 AM

As for marginal costs, city gate price (plus some add-on) is a reasonable substitute with much less analytical data tracking of up-to-date tariffs.

It seem like exactly the kind of thing EIA should be doing.



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Water Heater Cost and Emissions
Date: Tuesday, April 17, 2018 10:07:17 AM

City gate is doable...but, what about electricity marginal pricing? It tends to be really high in the summer, really low in the winter. Also some electric utilities have electric heat, electric water heat and all electric tariffs that are lower. Can't address everything in a simple viz, but need to be prepared for arguments that will come our way. And...electric heat pump water heaters. I could let the slider for efficiency go to 140%...but, not really indicative of actual efficiency of the water heater.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Water Heater Cost and Emissions
Date: Tuesday, April 17, 2018 10:12:44 AM

It's not going to be easy. It might take a budget increase for EIA to do it.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Water Heater Cost and Emissions
Date: Tuesday, April 17, 2018 11:54:30 AM

The problem is we can't afford to wait on EIA to do it for us. And even if EIA wanted to do it, they could do it wrong or hire it out to someone like LBNL to do it wrong.

This is who provides EERE with "marginal energy prices" now:

[Marginal Energy Price Analyses | Energy Efficiency Standards Group](#)
<https://ees.lbl.gov/capability/marginal-energy-price-analyses>

Also take a look at this:

[Marginal Energy Price Report - July 1999 - Department of Energy](#)
https://www.energy.gov/sites/prod/files/2013/12/f5/marg_eprice_0799.pdf

I fought hard back in the late 90's to make "consumer marginal energy rates" happen. What I concluded is that EERE and it's labs have a vested interest in showing marginal prices closer to average because it helps them "determine" more stringent appliance efficiency standards.

Maybe we can "get the ball rolling" by a DUTG-funded scoping study." It's not something that we would maintain as that would be too much to do. But it could serve as a roadmap for someone else (like EIA) to follow.

Additional thoughts, concerns, epitaphs?



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From: [Jason Stanek \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Water Heater Cost and Emissions
Date: Wednesday, April 18, 2018 8:19:45 AM

Jim, is it possible for a user to edit the price for gas & electric. The EIA data is always skews toward higher gas pricing and lower electric pricing in my state.



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Water Heater Cost and Emissions
Date: Wednesday, April 18, 2018 8:38:18 AM

Good point. I anted to use marginal prices, but they are hard to come by. I'll add another page with a slider to input prices to see how it changes the calcs.

Jim Moore
Sales Analyst

700 Market St, 5th Floor
St. Louis, MO 63101
314.342.0761 Office
314.203.1339 Mobile

SpireEnergy.com
[cid:[image002.png@01D36DEA.E9C25BC0](#)]



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Water Heater Cost and Emissions
Date: Wednesday, April 18, 2018 8:48:01 AM

You could calculate marginal cost outside of Jim's tool and then put it in via the slider bar



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Water Heater Cost and Emissions
Date: Thursday, April 19, 2018 11:27:02 AM

If calculating marginal cost outside of Jim's tool is doable, then how do you go about doing it? Well, spreadsheets. We could develop templates but each company would need to maintain them. Does this sound viable?

To illustrate the differences between marginal and average rates (and whatever it is that DOE uses), the following graphic is from [Spire's filed comments for the furnace SNOPR](#):



[Marginal gas rates in MO.png 59.7 KB](#) • [Download](#)



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From: [John Leary \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Two California Bills Propose to Eliminate the Direct Use of Natural Gas
Date: Tuesday, April 3, 2018 9:30:07 AM

This looks great Dan - thanks!
John



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From: [Rodney Dill \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) The US is winning the climate fight in electricity — and losing it just about everywhere else
Date: Thursday, April 12, 2018 10:09:34 AM

Interesting comment in the first article - "...where climate policy's greatest victories have been won, at least half the work of decarbonization has been done by natural gas." (In the power sector)

Understand the point of the article is to focus on electrifying the other sectors (transportation, industry, buildings) , but this emphasizes the great importance of focused communication strategies around the LCOE study, and how the emissions picture could be even better through natural gas end use.



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From: [Arthur Corbin \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) The European Parliament has voted to approve a revised version of the Energy Performance of Buildings directive.
Date: Thursday, April 19, 2018 4:55:04 PM

Yes



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) The European Parliament has voted to approve a revised version of the Energy Performance of Buildings directive.
Date: Tuesday, April 24, 2018 7:13:00 PM

Like I was saying:

Offshore Wind Projects Seen As Contributing To Energy Dominance Agenda.

The [AP](#) (4/23) reports that while President Trump “has courted coal miners and cast doubt on whether fossils fuel contribute to climate change...that hasn’t translated into hostility for renewable energy – particularly offshore wind.” According to Interior Secretary Ryan Zinke, the Trump administration is looking towards renewable energy sources to help America achieve “energy dominance,” writing in an op-ed for The Boston Globe, “This means an equal opportunity for all sources of responsible energy development, from fossil fuels to the full range of renewables. ... As we look to the future, wind energy – particularly offshore wind – will play a greater role in sustaining American energy dominance.”



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From: [Tom Tanton \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) The European Parliament has voted to approve a revised version of the Energy Performance of Buildings directive.
Date: Tuesday, April 24, 2018 7:18:30 PM

just don't let them confuse 'equal opportunity' with the current, and very special, form of affirmative action given wind.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Summary of APGA's meeting with DOE officials.
Date: Thursday, May 31, 2018 10:34:52 AM

Dan's report is factual but some additional details and comments are provided as shown by my amendments in red:

Yesterday APGA staff and a representative from Spire met with officials from DOE to discuss some of the DUTG's initiatives. Below is a short summary for the meeting; Simmons and Fibbe were no shows. Alex Fitzsimmons ran the meeting from DOE's side. His title is "Senior Advisor." Also in attendance were DOE's latest staff hire, Sophie Miller and an attorney who said she worked for Daniel Cohen and left partway through the meeting without explanation.

- Commercial Package Rule; Because this is an on-going legal issue DOE was unable to speak to the proceedings. We let DOE staff know we are watching the current legal challenges and if it is advantageous to our members we may proceed with our own legal strategy.
- ORIA Regulatory Agenda; APGA brought up the recently published ORIA regulatory agenda. DOE explained that they are obligated to publish an agenda twice a year. The dates associated with any rulemaking found on the list is a target and it is reasonable to expect those dates may change. It's "OIRA" and "timing is everything." A NOPR to follow-up on the the Process Rule RFI is among the agenda items per the following:
 1. Per RIN <https://www.reginfo.gov/public/do/eAgendaViewRule?pubId=201804&RIN=1904-AD15>
DOE will publish a supplemental NPRM **by the end of October** covering Energy Conservation Standards for Residential Conventional Cooking Products
 2. Per RIN <https://www.reginfo.gov/public/do/eAgendaViewRule?pubId=201804&RIN=1904-AD20>
DOE will publish a supplemental NPRM **by the end of September** covering Energy Conservation Standards for Residential Non-Weatherized Gas Furnaces and Mobile Home Gas Furnaces
 3. Per RIN <https://www.reginfo.gov/public/do/eAgendaViewRule?pubId=201804&RIN=1904-AD38>
DOE will publish a NOPR covering Procedures, Interpretations, and Policies for Consideration of New or Revised Energy Conservation Standards for Consumer Products (the Process Improvement Rule) **by the end of May.**
 4. Per RIN <https://www.reginfo.gov/public/do/eAgendaViewRule?pubId=201804&RIN=1904-AD34>
DOE will publish a Final Rule for Energy Conservation Standards for Commercial Water Heating Equipment **by the end of October.**

Note that the Process Rule is due to be completed first. If the rule is

finalized/ revised to reign-in the chronic "forcing of rule benefit" by DOE staff and its Labs that we routinely bring up in our filed comment on, **then** we can legitimately expect less litigious proceedings going forward. It would be inappropriate to expect such positive results now, however.

- The petition process; We discussed the use of the petition process versus the request of determination or the RFI process for determining separate product-classes and other regulatory changes. DOE has been able to hire additional staff that will be able to focus on the appliance energy efficiency program "backlog." DOE is will re-evaluate the difference processes and requested that APGA resend our initial request for determination. As far as we know, the additional staff hire is singular: Sophie Miller. While I've gotten to know her pretty well in the past few years and believe she was brought in with the best of intentions (to provide some much needed balance to existing senior staff who run EERE's appliance efficiency standards program) she is only one person and she admits to being overwhelmed by it all. So while we should do everything we can to help Sophie, we need to be realistic about what she can do to counter EERE's entrenched bureaucracy.
- Building Codes; APGA discussed our concerns with DOE staff and representatives from the national labs proposing or supporting code changes that negatively impact (or eliminate) the use of natural gas. DOE requested APGA send examples of DOE staff or National Lab staff supporting these efforts. The issue here (which was also discussed) is EERE's continuing path to "net zero," and its stated mission to "[transition to a global clean energy economy](#)."

Citing specific individuals may be difficult given that DUTG members are not that close to all of the various building code committees and process who increasingly make it difficult for natural gas direct use. However, we can and should cite published reports that essentially advocate for our demise. Also discussed was DOE labs advocacy for "deep decarbonization" via "beneficial electrification." But again, we generally can't tie such advocacy to specific authors.

- Next steps; APGA along with GTI will meet with DOE staff to discuss our work on the furnace rule and how the model flaws we discovered impact the rulemaking process. Another next step is documenting for EERE the anti-gas direct use activities described above.

We also discussed the [EERE Strategic Plan](#). When Simmons went from IER to DOE, this is what he was inheriting and It remains their plan. At the bottom of that page are two PDF's:

[Download the EERE Strategic Plan](#)

[Download the January 2016 Presentation](#)

On slide 20 of the presentation, note that the metric for reducing energy per square foot is unspecified. You should all know what the default is and that the goals can be reached (in large measure) by replacing gas equipment with electric resistance

equipment,

Fitzsimmons was aware of this plan and only divulged that **when** EERE gets around to rewriting it that it will be about half the length.



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From: [Daniel Lapato \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Summary of APGA's meeting with DOE officials.
Date: Thursday, May 31, 2018 10:46:17 AM

I appreciate Mark's additional comments and his perspective. However, I want to remind everyone that this is a public forum. I believe the conversation above would be best continued on our next DUTG call and not in Basecamp.
Thank you,
Dan



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Summary of APGA's meeting with DOE officials.
Date: Thursday, May 31, 2018 1:19:10 PM

Dave, the call is scheduled for 3pm on June 20th. Dave

Dave Schryver
Executive Vice President
American Public Gas Association
201 Massachusetts Avenue, NE, Suite C-4
Washington, DC 20002
202-464-0835

PLEASE JOIN US AT THESE UPCOMING APGA EVENTS:

2018 APGA Annual Conference
July 22-25, 2018 | Hilton Portland Downtown | Portland, OR |
www.apga.org/portland<<http://www.apga.org/portland>>

2018 APGA Southeast Tour
August 20-31, 2018 | Locations TBD |
www.apga.org/southeasttour<<http://www.apga.org/southeasttour>>

2018 APGA Fall Board and Committee Meetings
October 28-30, 2018 | The Chattanooga Hotel | Chattanooga, TN |
www.apga.org/chattanooga2018<<http://www.apga.org/chattanooga2018>>

2018 APGA Operations Conference
October 30-November 1, 2018 | The Chattanooga Hotel | Chattanooga, TN |
www.apga.org/chattanooga2018<<http://www.apga.org/chattanooga2018>>

ABOUT APGA<<https://www.youtube.com/watch?v=0y6vG1T3P6A>>



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Southern California Edison's electrification webinar
Date: Wednesday, April 25, 2018 9:50:15 AM

Yes: That's what the registration page said.



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From: [Owen Reeves \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Please RSVP for the May 9th DUTG Meeting
Date: Wednesday, April 4, 2018 8:40:12 AM

Plan to attend.



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From: [Mike Gundersen \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Please RSVP for the May 9th DUTG Meeting
Date: Wednesday, April 4, 2018 10:27:04 AM

I will be attending.
Will have to leave early for 4:50 pm flight departure.

Thanks,
Mike Gundersen



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From: [Jonathan Snyder \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Please RSVP for the May 9th DUTG Meeting
Date: Wednesday, April 4, 2018 10:47:41 AM

Good morning Dave,

I plan on attending.

Thank you,

-Jonathan

Jonathan Snyder
Interim Energy Services Manager
R I C H M O N D G A S W O R K S
(formerly Department of Public Utilities - Gas Utility)
730 E Broad Street, 7th floor
Richmond, VA 23219
o.804.646.5465
c. 804.363.8693



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From: [Rodney Dill \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Please RSVP for the May 9th DUTG Meeting
Date: Wednesday, April 4, 2018 10:50:52 AM

Dave - I'm planning on attending.

Thanks,
Rodney Dill
Municipal Gas Authority of Georgia



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From: [Sue Kristjansson \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Please RSVP for the May 9th DUTG Meeting
Date: Wednesday, April 4, 2018 3:33:20 PM

I'll be there.



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From: [Sasha Benjamin \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Please RSVP for the May 9th DUTG Meeting
Date: Wednesday, April 4, 2018 4:49:25 PM

I plan to attend.



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From: [Nicole Graham \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Please RSVP for the May 9th DUTG Meeting
Date: Wednesday, April 4, 2018 4:54:38 PM

I will not be there.
Thanks!
Nicole



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From: [Jim Hodges \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Please RSVP for the May 9th DUTG Meeting
Date: Wednesday, April 4, 2018 5:33:10 PM

Yes I plan to be there. Jim



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From: [Sam Davis \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Please RSVP for the May 9th DUTG Meeting
Date: Monday, April 9, 2018 4:30:28 PM

I plan to attend...

Samuel Davis Jr.
General Manager & CEO
Lake Apopka Natural Gas District
& FMNGA Past President
1320 Winter Garden Vineland Road
Winter Garden, FL 34787
Office: (407) 656-2734, ext. 103
Cell: (407) 579-4821
Fax (407) 407-287-8911
Website: www.langd.org<<http://www.langd.org/>>

[Displaying LANG fullcolor.jpg]

Chairman and Board Members:

As a reminder, please do not email among yourselves regarding this issue. Please do not use the "Reply All" option. If you would like to reply to this message, please use the "Reply" option, so that it comes directly to me. Thank you.



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Please RSVP for the May 9th DUTG Meeting
Date: Monday, April 9, 2018 4:42:13 PM

Thanks Sam!



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From: [Sue Kristjansson \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Overview of California Natural Resources Committee Hearing on AB3232
Date: Tuesday, April 10, 2018 7:14:21 AM

Great job Dave! Even though it passed through committee I think it was worth it for APGA to be there and make their presence known. One question, what is the make-up of the committee? 5 Ds and 4 Rs? If so, the R voting yes was moot, would have passed through regardless.

Nicely done!
Sue



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Overview of California Natural Resources Committee Hearing on AB3232
Date: Tuesday, April 10, 2018 7:19:46 AM

It's a 6-3 split. My vote count mate have been one vote off as it looks like it was a D that was sitting on the R side of the dais who voted for it.



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From: [Owen Reeves \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Overview of California Natural Resources Committee Hearing on AB3232
Date: Tuesday, April 10, 2018 8:08:57 AM

Dave,

Great job on presenting the APGA/DUTG thoughts in our opposition on this matter. And kudos to Susan for allowing our concerns be communicated. It is little wonder why more persons are exiting California than moving in.

Owen



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Overview of California Natural Resources Committee Hearing on AB3232
Date: Tuesday, April 10, 2018 8:17:35 AM

Industry seems to be exiting too

Tom provided this about cmta

http://cmta.net/page/legupdate-article.php?legupdate_id=922468&did=59220

Potential ally/allies.



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From: [John Gregg \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Overview of California Natural Resources Committee Hearing on AB3232
Date: Tuesday, April 10, 2018 8:21:14 AM

I am having trouble understanding "greenhouse gas emissions of buildings in California is greater than the emissions of all the power plants." I do not see anyway to get to that conclusion from the extensive data posted by the California Air Resources Board (CARB). <https://www.arb.ca.gov/cc/inventory/data/data.htm> I note that NRDC makes this general claim and then adds that fugitive emissions from production, distribution, and onsite leaks of natural gas add to the climate impacts of natural gas use in buildings,

In February the LA city council approved a resolution that requires the city's building department and LADWP to 1) make specific recommendations to reduce building demand for natural gas, and shift gas use to clean (pollution-free) electricity, and 2) establish aggressive 2028 and 2038 building electrification targets that meet or exceed the [LA's climate goals, which include reducing GHG emissions by 60 percent before 2035](#).



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Overview of California Natural Resources Committee Hearing on AB3232
Date: Tuesday, April 10, 2018 8:31:24 AM

<https://www.google.com/amp/s/www.forbes.com/sites/judeclemente/2016/04/03/californias-growing-imported-electricity-problem/amp/>

They're ignoring electric imports



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Overview of California Natural Resources Committee Hearing on AB3232
Date: Tuesday, April 10, 2018 9:11:30 AM

I'd guess some; but not a lot. After all, humans are carbon-based life forms and emit both CO2 and methane (not trying to be funny). Regardless, the clear inference is that "greenhouse gas emissions of buildings in California " is because they heat and cook with natural gas.



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To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Overview of California Natural Resources Committee Hearing on AB3232
Date: Tuesday, April 10, 2018 9:34:13 AM

Might want to calculate the emissions intensity on a #/ mmbtu (used) basis. While it is interesting, it's not really relevant if natural gas heating in aggregate is more, if it's accomplishing much more in terms of used and useful delivered mmbtus.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Overview of California Natural Resources Committee Hearing on AB3232
Date: Tuesday, April 10, 2018 9:43:23 AM

Here is the most detailed info I could find on where CA's electricity comes from:
http://www.energy.ca.gov/almanac/electricity_data/total_system_power.html

According to EIA: [26% of CA electric consumption is supplied by out-of-state generation](#)



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To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Overview of California Natural Resources Committee Hearing on AB3232
Date: Tuesday, April 10, 2018 9:48:09 AM

John said:

I note that NRDC makes this general claim and then adds that fugitive emissions from production, distribution, and onsite leaks of natural gas add to the climate impacts of natural gas use in buildings.

But most of CA's power comes from natural gas plants. So electricity somehow doesn't have any of these issues?



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From: [Arthur Corbin \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Overview of California Natural Resources Committee Hearing on AB3232
Date: Tuesday, April 10, 2018 10:39:29 AM

Excellent work Dave, and a big thank you to Sue for giving APGA/DUTG this opportunity!!

A few thoughts:

1. It is appropriate that our discussion here is focusing on responding to the key point made by the bill's sponsor, "The greenhouse gas emissions of buildings in California is greater than the emissions of all the power plants in the state and this must be addressed if the state is to meet its climate goals".
2. However, rather than immediately point out that this statement is false and why, should our answer first point out that GHG emissions from California buildings is only a small contributor to overall GHG emissions in the State, and that the largest contributor is the transportation sector? Then, should we point out what natural gas could do to lower emissions through the conversion of heavy duty trucks (long haul and delivery), rail and marine fleets?
3. Should we then turn our response to a discussion of how this statement is not only false today but that electrifying buildings will dramatically change the electric grid in the future? What is a realistic view of the impact on California's grid and how will it be powered? Could we demonstrate that the move to all electric buildings produced by this legislation will likely be powered by electricity generated with natural gas?



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To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Overview of California Natural Resources Committee Hearing on AB3232
Date: Tuesday, April 10, 2018 11:18:30 AM

1. The tricks they're playing are:
 - limiting power plant emissions to those within the state and ignoring "elsewhere emissions" of imported electricity. Properly accounting for this factor could show that CA's **TOTAL** electricity emissions is larger than buildings.
 - not considering "criteria" emissions.
2. Yes, assuming they are willing to listen to logic. Apparently, that's a big assumption. They probably think electrifying transportation is far better because pretty soon, nearly all electricity will come from renewables.
3. Yes, we can demonstrate that the move to all electric buildings produced by this legislation will likely be powered by electricity generated with natural gas. And they will counter electricity is still better (in California's relatively warm climate on average) via combined-cycle turbines and heat pump technologies as the following ICF graph indicates:



GRID EMISSIONS CROSSOVER VALUE NATURAL GAS FURNACE VS. ELECTRIC HEAT PUMPS.jpg 32.6 KB • [Download](#)

Bottom line is we don't seem to be negotiating with rational decision making. How do you want to deal with that?



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To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Overview of California Natural Resources Committee Hearing on AB3232
Date: Tuesday, April 10, 2018 12:16:45 PM

Arthur,

I agree that we need to thoroughly format what our arguments are but we also need to determine where we plan to make those arguments.

Knowing that California is the hotbed because of these bills, we should consider carrying our involvement through the process to ensure we continue to bang the drum. In addition to that, is this a good time for an Op-Ed in a California publication or even a more broad publication? Just a thought.

Again, the public has absolutely no idea what is going on and they will ultimately be left holding the bag. This bill will likely pass unless the opposition is enormous.

Once we have our argument solidified, can we simplify for the general audience and start getting the word out?



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To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Overview of California Natural Resources Committee Hearing on AB3232
Date: Tuesday, April 10, 2018 12:46:26 PM

I wholeheartedly agree it's time to enjoin the public. That's not to say it isn't important to stay involved 'in the process' but that includes one on one with members in addition to committee presentations. It is however time to bring out the big gun called 'public.' It is perfect time for Op Ed, in my opinion, and multiple ones and venues.



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To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Overview of California Natural Resources Committee Hearing on AB3232
Date: Tuesday, April 10, 2018 1:15:27 PM

One of the challenges with California is that we don't have any boots on the ground. I wonder if it is worth retaining a state lobbyist who has the relationships in place to get groups, particularly low income consumers, energized.



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To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Overview of California Natural Resources Committee Hearing on AB3232
Date: Tuesday, April 10, 2018 1:29:43 PM

At this point we are still considered an outsider in the Halls of Sacramento. These bills along with their companion State Senate bills have really generated a lot of interest with other organizations. Instead of hiring a state lobbyist, what if we align ourselves with one of the "opposition" groups such as the manufactures, builders or chamber of commences. This will allow us the ability to;

- 1) Continue to be the voice of the consumer,
- 2) Allow us to the build the APGA brand as a consumer advocate,
- 3) and minimize the initial risk to our resources while still allowing us the ability to interact with policymakers in California.

These bills are just the tip of the iceberg, what we haven't begun to discuss is the energy efficiency standards being considered by the California Energy Commission (CEC). We are seeing proposals to ban hearth products (gas fireplaces and gas lights) and other measures to limit the use of natural gas.



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To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Overview of California Natural Resources Committee Hearing on AB3232
Date: Tuesday, April 10, 2018 1:47:49 PM

Dan,

I would agree that we should first step join other opposition groups – either the State Chamber and/or the Manufacturers. By becoming a member and joining their working groups on these issues, you can be very effective. That is, assuming they have strong organizations in California. I am unfamiliar with their state Chamber/Manufacturers Associations.



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To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Overview of California Natural Resources Committee Hearing on AB3232
Date: Tuesday, April 10, 2018 1:50:36 PM

Dan:

http://cmta.net/page/legupdate-article.php?legupdate_id=922468&did=59220

along with low income use the no more jobs issue.



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To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Overview of California Natural Resources Committee Hearing on AB3232
Date: Tuesday, April 10, 2018 1:56:02 PM

Also see that NAM is already on the case:

<http://mfgaccountabilityproject.org>

One of their lobbyists is associated with David Sanders .



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Overview of California Natural Resources Committee Hearing on AB3232
Date: Friday, April 20, 2018 12:16:11 PM

| [MAP Applauds 15 State Attorneys General for Supporting Manufacturers Against Baseless Lawsuits](#) Washington, D.C. — In response to fifteen state attorneys general filing an [amicus brief](#) in support of manufacturers before Judge William Alsup in the U.S. District Court for the Northern District of California, Lindsey de la Torre, executive director of the Manufacturers' Accountability Project (MAP), released the following statement: *"This brief signed by 15 attorneys general from across the country is a significant step in defending manufacturers in America and discouraging further costly litigation. With strong support from the attorneys general across the country, manufacturers look to spend less time in the courtroom fighting baseless lawsuits that enrich trial lawyers and more time working towards meaningful solutions."* Among the signees is Attorney General Cynthia Coffman of Colorado, where a lawsuit was just filed by the City of Boulder, Boulder County and San Miguel County. In their brief, the attorneys general note the potential slippery slope presented by the lawsuits, writing, *"States have an especially strong interest in this case because the list of potential defendants is limitless. Plaintiffs' theory of liability involves nothing more specific than promoting the use of fossil fuels. As utility owners, power plant operators, and generally significant users of fossil fuels (through facilities, vehicle fleets and highway construction, among other functions), States and their political subdivisions themselves may be future defendants in similar actions."*

The [amicus brief](#) was signed by attorneys general from Indiana, Alabama, Arkansas, Colorado, Georgia, Kansas, Louisiana, Nebraska, Oklahoma, South Carolina, Texas, Utah, West Virginia, Wisconsin and Wyoming. **-MAP-** *The Manufacturers' Accountability Project (MAP) will set the record straight and highlight the concerted, coordinated campaign being waged by plaintiffs' lawyers, public officials, deep-pocketed foundations and other activists who have sought to undermine and weaken manufacturers in the United States. This campaign will pull back the curtain to expose these efforts and to hold key actors accountable in order to protect our members and American manufacturing workers. The MAP is a project of the NAM's Manufacturers' Center for Legal Action (MCLA), which serves as the leading voice of manufacturers in the nation's courts. Visit us at mfgaccountabilityproject.org.*



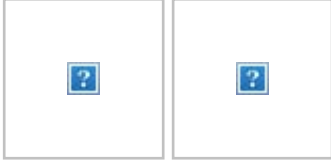
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Garcia, Mark Krebs, Matt Ballard, Michael Avanzi, Mike Gundersen, Neil Leslie, Nicole Graham, Nikki Adkisson, Owen Reeves, Randall Ware, Richard Worsinger, Robert Talley, Rodney Dill, Sam Davis, Sasha Benjamin, Staci Wilson, Stephen Mayfield, Sue Kristjansson, Ted Williams, Thomas Schultz, Todd Jorgenson, Tom Tanton, and Vicki O'Neil.

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To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Most of us can't afford to goall-electric. Here's a fairerway to curb climate change
Date: Monday, April 23, 2018 9:14:23 AM

Well said George Minter and SoCal Gas!!



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Most of us can't afford to goall-electric. Here's a fairerway to curb climate change
Date: Monday, April 23, 2018 11:09:25 AM

You're welcome. I got if from Eric Burgis of the Energy Solution Center.



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From: [Sue Kristjansson \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Most of us can't afford to goall-electric. Here's a fairerway to curb climate change
Date: Monday, April 23, 2018 7:08:31 PM

George really does write a great Op Ed.



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From: [Dan Rendler \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Most of us can't afford to goall-electric. Here's a fairerway to curb climate change
Date: Monday, April 23, 2018 7:17:03 PM

Yep..... he had a lot of help on this one

Daniel J. Rendler
Director – Customer Programs & Assistance
Southern California Gas Company
Tel: 213-244-3480
Cell: 951-830-6360
DRendler@semprautilities.com <mailto:DRendler@semprautilities.com>



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From: [Sue Kristjansson \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Most of us can't afford to goall-electric. Here's a fairerway to curb climate change
Date: Monday, April 23, 2018 7:45:14 PM

:) I figured as much. Welcome Dan!



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Most of us can't afford to goall-electric. Here's a fairerway to curb climate change
Date: Tuesday, April 24, 2018 8:40:34 AM

Dave, in terms of the packets we try to keep it simple for congressional staff by having asks for them, such as changes to Section 5 of the NGA and specific changes to EPCA. The challenge on the electrification/climate change piece, which as Sue said is excellent!, is that there is not a specific ask for staff. I certainly agree that there are good points in the piece we can use to push back on electrification but at this point I don't see the current Congress moving in that direction. That being said, we can share this piece with our allies on the Hill as a FYI.

Dave Schryver
Executive Vice President
American Public Gas Association
201 Massachusetts Avenue, NE, Suite C-4
Washington, DC 20002
202-464-0835

PLEASE JOIN US AT THESE UPCOMING APGA EVENTS:

2018 APGA Spring Board and Committee Meetings and Government Relations Conference
May 6-9, 2018 | The Alexandrian by Marriott | Alexandria, VA |
www.apga.org/governmentrelations<<http://www.apga.org/governmentrelations>>

2018 APGA Annual Conference
July 22-25, 2018 | Hilton Portland Downtown | Portland, OR |
www.apga.org/portland<<http://www.apga.org/portland>>

2018 APGA Fall Board and Committee Meetings and Operations Conference
October 28-November 1, 2018 | The Chattanooga Hotel | Chattanooga, TN |
www.apga.org/chattanooga2018<<http://www.apga.org/chattanooga2018>>

ABOUT APGA<<https://www.youtube.com/watch?v=0y6vG1T3P6A>>



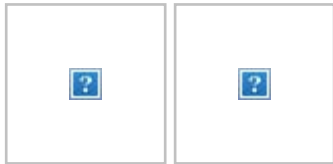
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Leslie, Nicole Graham, Nikki Adkisson, Owen Reeves, Randall Ware, Richard Worsinger, Robert Talley, Rodney Dill, Sam Davis, Sasha Benjamin, Staci Wilson, Stephen Mayfield, Sue Kristjansson, Ted Williams, Thomas Schultz, Todd Jorgenson, Tom Tanton, and Vicki O'Neil.

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From: [Greg Henderson \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Most of us can't afford to goall-electric. Here's a fairerway to curb climate change
Date: Tuesday, April 24, 2018 8:59:50 AM

Just to weigh in. I am always asked for specific legislation that they are to look for. I have had a hard time getting the staff and congress to focus on concepts BUT we keep trying. Thanks Dave

Greg Henderson, President & CEO
Southeast Gas
PO Box 1338
Andalusia, AL 36420



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From: [Mike Gundersen \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Meeting with DOE
Date: Wednesday, May 23, 2018 3:26:44 PM

Outstanding!
Thanks for the update!
Have a Great Day!

Thanks,
Mike Gundersen



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Landfill Gas Energy Projects
Date: Monday, May 7, 2018 4:48:50 PM

good point...I was only showing landfill energy projects...there are a lot of other renewable gas sources that aren't showing on that graphic. I made that for a project internally...I need to see what I can find on other sources out there.



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Landfill Gas Energy Projects
Date: Wednesday, May 9, 2018 4:13:45 PM

Based on feedback...I found a listing at EPA of all the landfills in the states with several data points...gas generated, collection system in place, energy projects, etc...new and improved is located here:

https://public.tableau.com/profile/jim.moore#!/vizhome/Landfills_0/Landfills



image.png 503 KB • [Download](#)



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From: [Tom Tanton \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Landfill Gas Energy Projects
Date: Wednesday, May 9, 2018 4:40:33 PM

nice work Jim. Is the third tab (LFG generated) gross or net of electrical generation?



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Landfill Gas Energy Projects
Date: Wednesday, May 9, 2018 4:46:20 PM

Gross gas generated for Landfill. There is also data on how much gas is collected, how much is flared, # of flares, % methane. Also, not every landfill is in there...some of them don't have Lat/Long info, some are missing tonnage info. There are a lot of unknown values scattered throughout the data...but, still is a good starting point. Others noted that this is not everything for Renewable Natural Gas. Would need to look into cows, swine, chickens...water treatment...lot of other sources. I once heard that termites are the largest source of methane in the world. It was on the internet, it must be true.



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From: [John Gregg \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Landfill Gas Energy Projects
Date: Wednesday, May 16, 2018 7:40:43 AM

The Seneca Energy plant and the landfill is a 389-acre landfill with Seneca Energy II, the methane-powered, electricity-generating plant on the property, owned by Ontario County, New York, and leased and operated by [Casella Waste Systems](#) of Ontario LLC

For 8 years the Finger Lakes Zero Waste Coalition Inc. has been fighting saying that the combined emissions of the plant and the landfill should be considered a single stationary source and regulated as such because together they exceed allowed levels of pollutants.

The group objected to a request by Seneca Energy II LLC to renew and modify its Title V Clean Air Act permit, saying the New York Department of Environmental Conservation wrongly concluded that Seneca's gas-burning facility and the landfill from which it gets its gas should not be viewed as one facility for permitting purposes. On Tuesday the Second Circuit said the green group failed to make its case. *Finger Lakes Zero Waste Coalition Inc. v. U.S. Environmental Protection Agency et al.* No. 16-3420, in the U.S. Court of Appeals for the Second Circuit.

So here you have a green plant being fought by NIMBY enviros who hate the smell and excess garbage being protected by an anti-gas NYS Administration!



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From: [John Gregg \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Is Wind Energy a Good Idea?
Date: Wednesday, April 25, 2018 8:04:50 AM

General Electric Co.'s subsidiary GE Renewable Energy signed a five-year agreement with a program funded by the British government to test GE's 12-megawatt wind turbine in northeast England, the largest turbine in the world. Under the agreement, a project to install the world's most powerful grid emulation system will receive \$8.5 million from Britain's Innovate UK and the European Regional Development Fund. ([Reuters](#))



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Is Wind Energy a Good Idea?
Date: Wednesday, April 25, 2018 9:56:55 AM

Another article questioning renewable economics:
[If Solar And Wind Are So Cheap, Why Are They Making Electricity So Expensive? - Forbes](#)

On top of this is the costs for "electrifying everything." We just need to "connect the dots."



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Is Wind Energy a Good Idea?
Date: Wednesday, April 25, 2018 10:18:21 AM

Back to my opening post: the video creator has a [whole series](#). This one is also expertly done:

[Solar's High Cost Jobs](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Is Wind Energy a Good Idea?
Date: Wednesday, April 25, 2018 10:26:47 AM

The video creator is also the founder of the [Citizens' Alliance for Responsible Energy \(CARE\)](#). CARE's stated mission is to “simplify the conversation about energy production and provide citizens with a more thorough understanding of how energy policy decisions affect their day-to-day lives.” [\[4\]](#)



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From: [Rodney Dill \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Is Wind Energy a Good Idea?
Date: Thursday, April 26, 2018 10:46:34 AM

This is well done! - Rodney



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Is Wind Energy a Good Idea?
Date: Thursday, April 26, 2018 10:53:13 AM

Thank you Rodney for taking a look. But what one are you referring to?

[Is Wind Energy a Good Idea](#) or [Solar's High Cost Jobs](#) ?



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From: [Rodney Dill \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Is Wind Energy a Good Idea?
Date: Thursday, April 26, 2018 10:55:35 AM

Solar's High Cost Jobs - Clear Energy Alliance



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Is Wind Energy a Good Idea?
Date: Thursday, April 26, 2018 11:23:13 AM

Please read this one too: [Is Wind Energy a Good Idea](#)

Then lets discuss who this guy is and if he can help us.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Is it time to petition for separate product classes for non-condensing gas appliances?
Date: Tuesday, May 1, 2018 11:18:09 AM

Per Dan's urging, I've limited distribution. Hopefully, you've had time to review the above documents. If not, here's the critical takeaway information:

Commitments are due June 25 per the following links:

- CEI petition--**Energy Conservation Standards for Dishwashers**
<https://www.regulations.gov/docketBrowser?rpp=25&so=DESC&sb=commentDueDate&po=0&D=EERE-2018-BT-STD-0005>
- AHAM petition--**Energy Conservation Program: Test Procedures for Cooking Products, Notice of Petition for Rulemaking**
<https://www.regulations.gov/docketBrowser?rpp=25&so=DESC&sb=commentDueDate&po=0&D=EERE-2018-BT-TP-0004>

The main reason for CEI's petition is that dishwasher standards unduly eroded dishwasher performance as measured by time per 42 U.S.C. 6295(q).

The main reason for AHAM's petition is that DOE has violated 42 U.S.C. § 6293(b)(3) in that test procedures have become unduly burdensome to conduct.

In each Federal Register filing, DOE cites the following:

The Administrative Procedure Act (APA), 5 U.S.C. 551 et seq., provides among other things, that "[e]ach agency shall give an interested person the right to petition for the issuance, amendment, or repeal of a rule." (5 U.S.C. 553(e))

To me, that's all the authority we need for petitioning. Of course, DOE may reject it on some technicality; like the one Barton has been stressing.

Barton's opinion is that the setting of separate product classes should occur in parallel with with setting of minimum efficiency standards. Personally, I'm not seeing such a requirement; but assuming Barton is correct, the furnace SNOPR is technically an open rule albeit in "storage" per OIRA's website. So why not petition for a separate product class now? The worse DOE can do is reject us but at least we will know why and then we can try again.

Another option (assuming Barton is right) is to petition for rulemaking per [42 U.S.C. 6295 \(n\) Petition for amended standard](#) in conjunction with a petition for separate product class for non-condensing furnaces. Since most non condensing furnaces are 81 AFUE but the minimum AFUE is presently 80, we have little if anything to lose by petitioning for a minimum of 81 AFUE non-condensing furnaces.

Basically, I think our previous "request for interpretation" from a year ago can be easily re-purposed as a petition. And I recall having that discussion a year ago. Anyway, for now, consider this as "food for thought" when this comes up for

discussion on May 9 at our DUTG meeting.



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From: [Daniel Lapato \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Is it time to petition for separate product classes for non-condensing gas appliances?
Date: Tuesday, May 1, 2018 11:41:38 AM

For the group's consideration;

I believe separate product classes is one of the most important things we need to accomplish over the next 2 years.

However, before we submit anything we need to know 1) who will review the petition 2) how much history does DOE review staff know (or what bias they may have) 3) and what is the timing of a decision?

There are a lot of unknowns at this time. We know DOE is hiring additional staff. While we work on developing a petition (or some other mechanism) I would recommend we attempt to meet with DOE staff and try to answer some of our outstanding questions before we submit anything.

FYI, Mark I like this function and how it limits the number of Notified members. That way we don't overwhelm the membership but we can still use Base Camp.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Is it time to petition for separate product classes for non-condensing gas appliances?
Date: Tuesday, May 1, 2018 12:17:40 PM

A good guy to ask might be Michael McCabe. He retired and Cymbalsky took his place. He already posted a comment on the CEI petition that might be an indication of how DOE staff might respond. See his comment here:

<https://www.regulations.gov/document?D=EERE-2018-BT-STD-0005-0004>

Mike is now a consultant (hint hint). I think Ingersoll Rand (parent of Trane) is/was a client.



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From: [Barton Day \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Is it time to petition for separate product classes for non-condensing gas appliances?
Date: Tuesday, May 1, 2018 3:55:32 PM

A petition for rulemaking needs to request a specific rulemaking action that DOE can legally justify. The dishwasher-related petition has an obvious vulnerability in that regard: it seeks to create a new product class to which a less stringent standard would apply, and it's easy to characterize that request as an end-run on EPCA's anti-backsliding provision (which is exactly what McCabe's comment does). So I'll be surprised if that petition goes anywhere.

Our request for legal interpretation asked DOE to address the separate product class issue on a generic basis and to conclude, in effect, that *if* condensing standards are ever justified for gas products, separate product classes would be required to preserve the availability of atmospherically-vented products. The point of the exercise was to seek a generally-applicable determination up-front *before DOE got back into any product-specific standards rulemaking*. A petition for rulemaking could potentially take a similar or different approach, but the core arguments would be the same as those presented in our request for interpretation. We just need to think carefully about exactly what a petition for rulemaking would request and how DOE would justify the outcome requested.



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From: [Sasha Benjamin \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) ICF: 3 Factors that Will Guide the Way Forward for Natural Gas
Date: Tuesday, May 15, 2018 9:17:58 AM

Thanks Mark! I just registered.



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From: [Arthur Corbin \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) ICF: 3 Factors that Will Guide the Way Forward for Natural Gas
Date: Tuesday, May 15, 2018 2:40:14 PM

Thanks for sharing this Mark! I look forward to the presentation on Thursday.



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From: [Mike Gundersen \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Headcount for the DC Meeting
Date: Monday, April 23, 2018 1:27:20 PM

Mike Gundersen plans on attending.

Thanks,
Mike Gundersen



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Headcount for the DC Meeting
Date: Monday, April 23, 2018 1:28:12 PM

Me, Mark Darrell and David Sanders.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Headcount for the DC Meeting
Date: Monday, April 23, 2018 1:29:18 PM

PS: Not Jim Moore



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From: [Chuck Warrington \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Headcount for the DC Meeting
Date: Monday, April 23, 2018 2:16:17 PM

I will be there.

Chuck Warrington
Managing Director & Executive Officer
Clearwater Gas System
Cell: (727) 224-7055



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Error Correction Rule Briefs
Date: Monday, May 28, 2018 9:47:50 AM

Thanks John

Mark Krebs
Energy Policy & Standards Specialist

Spire Inc.
700 Market St.
St Louis, MO 63101
314.342.0714 Office
314.365.4117 Mobile
spireenergy.com



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From: [Barton Day \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Error Correction Rule Briefs
Date: Monday, May 28, 2018 2:17:21 PM

I had substantive discussions with counsel for DOE and AHRI over the two weeks preceding their filings, and both parties ended up picking up some of our arguments (*i.e.*, arguments that we had presented in our response to the 60-day letters but that the parties had previously overlooked in the litigation).

I'm still looking to see if there is anything we could usefully add *via* an *amicus* filing, but I wanted you to know that - with a little extra oomph - our response to the 60-day letters has finally started to pay off.



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From: [Sue Kristjansson \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Error Correction Rule Briefs
Date: Tuesday, May 29, 2018 10:49:53 AM

Thanks John and thank you Barton for working with the other parties to get our positions considered.

Not that I think that either of you have a crystal ball, but any preliminary impressions from our legal folk on where this may end up? Of course I think that the DOE has the most compelling argument but that is based on logic, not on legal aspects. Just curious what you both think.



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From: [Barton Day \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Error Correction Rule Briefs
Date: Tuesday, May 29, 2018 1:20:19 PM

Sue -

I think it's a crap shoot. In short, DOE has the better legal arguments, but the other side has better "optics."

There is at least one potentially critical point that DOE failed to make in support of its position, and I will try to find out why.



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From: [Barton Day \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Error Correction Rule Briefs
Date: Tuesday, May 29, 2018 6:15:41 PM

I haven't looked to see whether a panel has been assigned, and would need to do some research to get any reasonably reliable sense of how particular judges would be likely to react to particular issues.



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From: [Tom Tanton \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) EPRI's National Threat Assessment
Date: Wednesday, April 4, 2018 9:26:32 AM

From the frontispiece “Collaborative research, development, and demonstration programs that analyze the impacts of electrifying the end use of energy — **where it is more efficient to do so** — for the benefit of customers, the environment, and society.” (my highlight) An opening for us? Maybe it's time to do a follow up to LCOE study paper: when is it truly 'more efficient' and at what costs?



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) EPRI's National Threat Assessment
Date: Wednesday, April 4, 2018 9:38:32 AM

Yes. If “beneficial electrification” exists, so should “beneficial gasification.”



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) EPRI's National Threat Assessment
Date: Tuesday, April 10, 2018 10:05:54 AM

looking at some of the details...their figure 1.3b is misleading. They are claiming that a heat pump in Atlanta saves energy and emissions. Not true. They are using a hypothetical high efficiency combined cycle unit to supply the electricity. In reality, the grid in Atlanta has a mix of generation that is not anywhere near that efficient. They are claiming 55.8% of the energy gets to the home. Actual grid gets closer to 33%.

Heat pump in Atlanta needs backup when it gets cold and will emit more CO2 than natgas direct use. I'm working on a visualization of gas vs electric for every state using EPA eGrid data...will show it to you when I get it done.



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From: [Arthur Corbin \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) EPRI's National Threat Assessment
Date: Tuesday, April 10, 2018 10:56:49 AM

Good work Jim! I look forward to seeing your analysis.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Electric cars are failing to woo the average American
Date: Wednesday, May 2, 2018 12:51:36 PM

In related news:

[Moody's: Metals supply shortfall could slow near term battery electric vehicle growth](#)



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From: [John Leary \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft APGA Testimony for Senate Energy Committee Hearing on Rural Energy Challenges
Date: Tuesday, April 17, 2018 10:40:35 AM

Dave,
I think this is definitely worth us submitting testimony. Attached are my suggested edits in red.
Thanks,
John

 [Draft Senate Testimony on Rural Energy Infrastructure 4_16_2018 V.1DM - JCL mods.docx 27.8 KB](#) • [Download](#)

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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft APGA Testimony for Senate Energy Committee Hearing on Rural Energy Challenges
Date: Tuesday, April 17, 2018 11:06:08 AM

It's a great start. Consider adding the following:

The direct consumption of natural gas also provides lower costs to consumers relative to more expensive powerplant investments as the following chart illustrates, for those applications where it can be used. The chart is from [Levelized Cost of Energy: Expanding the Menu to Include Direct Use of Natural Gas](#), by Thomas Tanton, published in August 2017. [8]



[Figure-2.-Levelized-Cost-of-Energy-1.png](#) 35.6 KB • [Download](#)

Assuming decarbonization is a worthy pursuit and so is the economic efficiency in doing so, then the following chart (also from Tom Tanton) illustrates the economics of the carbon reductions associated with natural gas appliance use relative to electric powerplant alternatives:[9]



[Figure-3.-Levelized-Cost-of-CO2-Reductions.png](#) 42.9 KB • [Download](#)



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To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft APGA Testimony for Senate Energy Committee Hearing on Rural Energy Challenges
Date: Tuesday, April 17, 2018 1:14:49 PM

Good draft Dave & Dan!! I don't have any additional comments to add beyond John Leary's edits and Mark Krebs' suggestion to not only refer to APGA's LCOE Study but to include the two tables above.

Thanks!
Arthur



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From: [Daniel Lapato \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft APGA Testimony for Senate Energy Committee Hearing on Rural Energy Challenges
Date: Tuesday, April 17, 2018 1:36:38 PM

I appreciate the edits. This Hearing is to discuss rural infrastructure. At this point it is not an electrification hearing. I would advise not making our testimony a natural gas versus electric.

I was hoping to use our testimony as a way to remind committee members we play a very important part in rural energy needs. I think the make up the panel of witnesses tells us they didn't even consider natural gas.



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To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft APGA Testimony for Senate Energy Committee Hearing on Rural Energy Challenges
Date: Tuesday, April 17, 2018 1:42:56 PM

If the hearing is limited to rural electric infrastructure then its an electrification hearing.



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To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft APGA Testimony for Senate Energy Committee Hearing on Rural Energy Challenges
Date: Tuesday, April 17, 2018 1:43:31 PM

You raise a good point Dan. How can we make our testimony more focused around the fact that they aren't considering natural gas at this point but they should given all of the specific and significant benefits? Seems to me that this is very similar to regulators not including alternatives to electric use in their LCOE analyses! Using the LCOE graphs in our testimony may be an effective way to make our point that they should consider natural gas.



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To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft APGA Testimony for Senate Energy Committee Hearing on Rural Energy Challenges
Date: Tuesday, April 17, 2018 1:49:50 PM

Arthur,
Point well made about adding them as an example of why they should consider natural gas. We will include the graphs.



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To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft APGA Testimony for Senate Energy Committee Hearing on Rural Energy Challenges
Date: Tuesday, April 17, 2018 2:15:28 PM

The House and Senate energy hearings are streamed. I've been monitoring most of them. So far, there has yet to be a single witness representing natural gas direct use; at least from those I've monitored. This is a sad but poignant fact. Unthinking or otherwise, we are being ignored.

As for NRECA; they probably view this hearing as their infomercial and would probably not welcome APGA trying to change the script.



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To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft APGA Testimony for Senate Energy Committee Hearing on Rural Energy Challenges
Date: Tuesday, April 17, 2018 2:18:49 PM

Dan,
Although I don't think we have much of relationship with NRECA, some APGA members have very good relationships with NRECA's members. For instance, Greg has a very good relationship with his counterpart, Gary Smith at Power South Electric Cooperative. I think it's a good idea to share our testimony with your contact at NRECA.

Thanks!



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To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft APGA Testimony for Senate Energy Committee Hearing on Rural Energy Challenges
Date: Tuesday, April 17, 2018 2:20:43 PM

Sorry...my comment above should have been directed to Dave Kearny.

Dan, what do you think about the idea of sharing our testimony with NRECA?



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To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Agenda for the Wednesday, April 25th DUTG Conference Call
Date: Monday, April 23, 2018 2:24:01 PM

We also discussed having another conference call (this week?) to fine tune next steps after reading AHRI and DOE filings. Since we don't have DOE filings maybe we need to postpone. Please advise.



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To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Agenda for the Wednesday, April 25th DUTG Conference Call
Date: Monday, April 23, 2018 3:21:14 PM

Mark –

No need to postpone, there is plenty to discuss.

What really matters is what the parties are going to be arguing in the next round of briefing, and the best way to get a handle on that is by talking to the parties directly (which I'm in the process of doing). We will want to look at DOE's previous filings, but we already know enough to move forward productively.

Regards,

BDD

Barton Day

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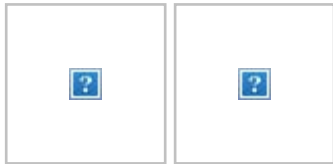
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To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Agenda for the Wednesday, April 25th DUTG Conference Call
Date: Monday, April 23, 2018 4:03:24 PM

I also thought that we were going to have further discussions after we read what AHRI filed. I am a little confused, did we commit to submitting an amicus brief? I thought we were going to assess what AHRI had filed and determine after that.



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To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Agenda for the Wednesday, April 25th DUTG Conference Call
Date: Monday, April 23, 2018 4:18:33 PM

You're correct Sue. We've not committed to submit an amicus brief. We did agree to reconvene a conference call once folks had a chance to review the AHRI and DOE filings.



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To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Agenda for the Wednesday, April 25th DUTG Conference Call
Date: Monday, April 23, 2018 6:32:39 PM

Thanks all. Do we have a date and time for that follow-up call or will we discuss on our DUTG call on Wednesday? I've read through the majority of the AHRI filing but haven't seen the DOE version yet.

John or Barton, do one of you have that document that you could share?



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To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Agenda for the Wednesday, April 25th DUTG Conference Call
Date: Monday, April 23, 2018 7:45:18 PM

AHRI & DOE filings are below:



[AHRI Motion to Dismiss As-Filed.pdf 180 KB](#) • [Download](#)



[DOE Motion to Dismiss.pdf 144 KB](#) • [Download](#)



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From: [Sue Kristjansson \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Agenda for the Wednesday, April 25th DUTG Conference Call
Date: Monday, April 23, 2018 7:46:37 PM

Thanks Mark. I'll read the DOE filing tomorrow.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Agenda for the Wednesday, April 25th DUTG Conference Call
Date: Monday, April 23, 2018 7:48:08 PM

Not bad reading; as legal filings go.



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From: [Barton Day \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Agenda for the Wednesday, April 25th DUTG Conference Call
Date: Monday, April 23, 2018 8:12:13 PM

Okay, I admit that you have to grade on a curve with legal filings.

Having reviewed both (AHRI and DOE), I do believe there are some points we could usefully add.



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Agenda for the Wednesday, April 25th DUTG Conference Call
Date: Tuesday, April 24, 2018 9:44:58 AM

We would like to hold a discussion on the AHRI/DOE legal action immediately after tomorrow's DUTG call. For those interested in participating, please stay on the conference line and we will begin the discussion right after the DUTG call concludes.



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From: [Barton Day \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Agenda for the Wednesday, April 25th DUTG Conference Call
Date: Tuesday, April 24, 2018 2:54:58 PM

In anticipation of the discussion regarding a possible amicus submission in the 9th Circuit litigation, I thought it might be helpful to outline some of the practical considerations involved. Here goes:

- The principal briefs of the parties are due on May 25th (the Friday before Memorial Day) and can be expected to be filed electronically late in the day. An amicus filing would be due seven days after that (*i.e.*, by Friday, June 1st).
- As John indicated previously, we would need to seek the permission of the parties to file an amicus brief, and - if we don't get permission - a motion for leave to file an amicus brief would be required. In that case, the timing of the filing would be the same: we would simply submit our brief as an attachment to a motion for leave to file. The motion itself would be relatively short and simple.
- Given the nature of the exercise, we will want to have discussed a possible amicus filing with the parties - and should have drafts of our basic arguments in-hand - by the time the parties file their principal briefs on May 25th. We will then be able to see exactly how the parties have argued the case to the 9th Circuit, and will be able to tailor our own arguments accordingly.

I hope this helps,

BDD



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Development of an Energy Ambassador Training Program
Date: Thursday, April 12, 2018 11:13:17 AM

It's good that AGA might be thinking about reversing course away from trying to appease the environmentalists. However, the AM proposal is very nebulous.

Based on Bill Cantrell's presentation in FL last week, I think SGA is trying to do something very similar.

Neither seem to want to tackle electrification. Should they?



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Development of an Energy Ambassador Training Program
Date: Monday, April 16, 2018 12:18:35 PM

Mark, one difference I see between the SGA proposal and what AGA and INGAA are looking at doing with their program is that the SGA effort is aimed at educating utility employees to serve as advocates within their community. The AGA/INGAA proposal is aimed at creating advocacy/organization leaders who will activate groups, both within and outside of their utility, to push back against efforts to limit natural gas. We have a meeting with AGA this Wednesday to further discuss this. I will get a memo to the task group after that meeting to provide additional details.



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Development of an Energy Ambassador Training Program
Date: Tuesday, April 24, 2018 11:57:32 AM

Dave, it has not gone out yet but it should be on Basecamp by COB today.

Dave Schryver
Executive Vice President
American Public Gas Association
201 Massachusetts Avenue, NE, Suite C-4
Washington, DC 20002
202-464-0835

PLEASE JOIN US AT THESE UPCOMING APGA EVENTS:

2018 APGA Spring Board and Committee Meetings and Government Relations Conference
May 6-9, 2018 | The Alexandrian by Marriott | Alexandria, VA |
www.apga.org/governmentrelations<<http://www.apga.org/governmentrelations>>

2018 APGA Annual Conference
July 22-25, 2018 | Hilton Portland Downtown | Portland, OR |
www.apga.org/portland<<http://www.apga.org/portland>>

2018 APGA Fall Board and Committee Meetings and Operations Conference
October 28-November 1, 2018 | The Chattanooga Hotel | Chattanooga, TN |
www.apga.org/chattanooga2018<<http://www.apga.org/chattanooga2018>>

ABOUT APGA<<https://www.youtube.com/watch?v=0y6vG1T3P6A>>



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Conference Call to Discuss the Status and Next Steps on the Commercial Boiler Rule
Date: Monday, April 16, 2018 10:16:28 PM

Some reference documents relevant to this call are attached for your review:



[APGA-Spire_Response_to_60-Day_Letter.pdf](#) 81.8 KB • [Download](#)



[Spire Commercial Packaged Boiler Conference Call 12-11-2016 mek final.pdf](#) 102 KB • [Download](#)



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From: [Thomas Schultz \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Conference Call to Discuss the Status and Next Steps on the Commercial Boiler Rule
Date: Monday, April 16, 2018 10:21:47 PM

Mark..

..thanks, but can I ask what call are you referring to?

Thomas Schultz
Technical Services Analyst (Organic Growth Division)

314.342.0684 Office
314.575.4877 Mobile

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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Conference Call to Discuss the Status and Next Steps on the Commercial Boiler Rule
Date: Monday, April 16, 2018 10:44:25 PM

Apga DUTG call next week



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Conference Call to Discuss the Status and Next Steps on the Commercial Boiler Rule
Date: Monday, April 16, 2018 10:54:44 PM

The call at the top of this thread



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Conference Call to Discuss the Status and Next Steps on the Commercial Boiler Rule
Date: Tuesday, April 17, 2018 9:26:10 AM

A couple more references:

1. EERE web page for Commercial Packaged Boilers
https://www1.eere.energy.gov/buildings/appliance_standards/standards.aspx?productid=8



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Conference Call to Discuss the Status and Next Steps on the Commercial Boiler Rule
Date: Tuesday, April 17, 2018 9:29:07 AM

2. AHRI's request for error correction.



[Comments_DOE_Com_Blr_Std_Error_Correction_2-10-17.pdf 159 KB](#) • [Download](#)



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From: [John Gregg \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) COMPETITIVENESS OF RENEWABLE-GENERATION RESOURCES: A Review of the Role of System Integration Costs, Regional Differences, and Externalities
Date: Saturday, May 19, 2018 9:26:34 AM

From study: "cost competitiveness is not generalizable. Wind and solar facilities cannot be developed competitively in locations with poor wind speed or solar insolation, especially if there is access to "cheap" natural gas."

So much for conventional wisdom. I got a door hanger solicitation yesterday from the Environment Maryland Center. org that said: "It's time to leave dirty energy in the past." More than 50 cities have committed to 100% renewable energy, and college campuses are following. But the group presents a false binary choice: "fracking for gas near schools instead of installing solar panels; drilling for oil in our oceans instead of capturing offshore winds; and burning [fossil fuels] instead of powering our homes, cars and lives with renewable energy."



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From: [Tom Tanton \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) COMPETITIVENESS OF RENEWABLE-GENERATION RESOURCES: A Review of the Role of System Integration Costs, Regional Differences, and Externalities
Date: Saturday, May 19, 2018 9:57:02 AM

note the 50 cities (and college campuses) are using somebody else's money. In an age where diversity in all things is considered 'virtuous' why is lack of diversity (driven by real economics) not considered so by the 100% renewable folks? I guess because they don't understand 'value' (as in there's value in having it when you need it.)



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Comments to the CPUC
Date: Monday, May 21, 2018 3:05:09 PM

APGA can take a first crack at an op-ed and post it on basecamp for discussion.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Comments to the CPUC
Date: Tuesday, May 22, 2018 9:01:19 AM

Feel free to use any of this:

[Estimating Costs of Deep Decarbonization for California](#)



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From: [Arthur Corbin \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Comments to the CPUC
Date: Tuesday, May 22, 2018 9:26:05 AM

Good article Mark! Thanks!



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From: [Daniel Lapato \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Comments to the CPUC
Date: Tuesday, May 22, 2018 9:58:07 AM

I will start working on a draft for everyone's review. To me the real purpose of this paper is to 1) justify CAISO (California's grid operator and electric market coordinator) role in the state and 2) begin to broaden CAISO's reach into neighboring states.

Like much of the southeast US, large parts of the western US are in regulated electric markets. CAISO is a "deregulated" market but the "regional" grid is almost solely in California which gives the state a lot of power over how the grid and electric markets operate. This very different from markets like MISO, PJM or the New England ISO operator. Speaking very broadly, these organizations operate in multiply states and tend to be driven by price and reliability and not necessarily by a single state's policies.

Now comes the potential threat to CAISO (and by extension the States ability to dictate energy/environmental policies). Several months ago Peak Reliability and PJM sketched out details on their proposed new Western electricity market, setting up a possibly battle with CAISO over who will oversee markets and reliability across the broad region. CAISO has offer its own reliability services to Western participants.

My initial draft will focus on pushing back on:

"What is needed reduce the use of fossil fuels such as natural gas, which is used not just for electric power, but also for industry and in homes and buildings?"

The biggest point we can make within California will be 1) consumer choice, which is the theme of their paper and 2) cost to consumers which we saw SoCal successfully argue in op-eds.



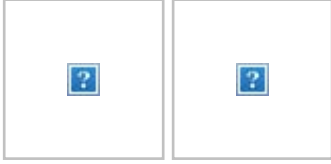
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From: [Tom Tanton \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Comments to the CPUC
Date: Tuesday, May 22, 2018 11:16:58 AM

Will this be limited to the California audience? Other states' grid (via WSCC) need convincing too; the CalSO is a state chartered institution and as you point out desires to impose California policy elsewhere (everywhere). At the same time, Nevada for example is considering something like consumer choice (via deregulation and Question 3 on the ballot)



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From: [Tom Tanton \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Comments to the CPUC
Date: Tuesday, May 22, 2018 11:53:55 AM

btw, I assume you'll include something about regressivity, likely even more important in California than "consumer choice".



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Comments to the CPUC
Date: Wednesday, May 23, 2018 9:32:42 AM

Thinking about Sue's post, I had a blinding flash of the obvious: **We need an op-ed media plan & effort.**

We can start discussing it here and now in Basecamp and/or put it on the agenda for the next scheduled DUTG conference call (June 20).



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From: [Rodney Dill \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) CBIA releases findings of cost to electrify as well as consumer preference for natural gas.
Date: Tuesday, April 24, 2018 11:53:54 AM

Sue, this is a very strong report! Up to \$7200 costs for electrical upgrades and \$877 increase in annual energy costs. Very solid information - Rodney



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Can CA Avoid An Energy Crisis?
Date: Thursday, May 10, 2018 9:57:44 AM

Note that " Public Comments on the draft report will be due on June 4, 2018."

The presentation ifor a recent webinar is here: [Presentation for May 3, 2018](#)



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From: [Daniel Lapato \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Can CA Avoid An Energy Crisis?
Date: Thursday, May 10, 2018 10:06:56 AM

This "call to action" is more a proactive action to protect the California Independent System Operator or CAISO than a resiliency effort. Early this year PJM (which is the grid operator for 13 states in the East and Midwest) announced a partnership Peak Reliability to form a new Western electricity market, setting up a battle with CAISO over who will oversee markets and reliability in the western states.



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From: [Arthur Corbin \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Californians Deserve Balanced Climate Policies That People Can Actually Afford
Date: Wednesday, May 16, 2018 1:58:19 PM

Equally interesting is the interview with Paul Hawken, an environmentalist, and Executive Director of Project Drawdown. You can access the interview from the link in the first line of Bret Lane's article. Here are a some quotes from Paul Hawken in that interview:

1. *"I gathered a small group of friends to see if we could map, measure and model the 100 most substantive solutions to reverse global warming. I wanted to name the goal: "Drawdown" — the first time on a year-to-year basis that greenhouse gases peak and go down. It is the only goal that makes sense for humanity and civilization. And larger goals create a greater sense of possibility."*

2. *"We modeled solutions that are in place, practiced, understood and about which there is peer-reviewed science with respect to impact and robust economic data with respect to cost."*

3. *"Two of the top four solutions individuals can practice every day. No. 3 is [reduced food waste](#), which particularly applies to America, where we waste [133 billion pounds](#) of food a year — close to a third of the food supply. That is a conservative estimate. In our model we didn't include the methane emissions caused by landfilling our food because we couldn't get the data — and methane is 28 to 36 times more powerful in global warming potential than carbon dioxide. The No. 4 solution is a [plant-rich diet](#). This means reducing overconsumption of protein to a healthy level — about 50 to 55 grams a day instead of 90 to 100 or more, and shifting a proportion of that reduced intake to plant proteins. It doesn't mean being a vegan or vegetarian; it means more plants. You choose which diet you want. Levels of protein that are medically healthier for you are healthier for the planet and atmosphere, too."*

4. *"Can you talk about the No. 1 solution? I was surprised to see that it was ["refrigerant management."](#)"*

***P.H.:** We were, too. The hydrochlorofluorocarbon gases (HFCs) used in refrigerants that replaced chlorofluorocarbons (CFCs), which were destroying the ozone layer, are anywhere from 146 to 12,500 times more powerful than carbon dioxide in their global warming potential. Poorly maintained air-conditioners and refrigerators leak HFCs. When air-conditioners and refrigerators are disposed of or recycled, the refrigerants can escape into the air. We do a pretty good job preventing this in the United States, and the European Union does even better, but in Asia and Africa, HFCs are allowed to escape and have a huge impact."*



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From: [Sue Kristjansson \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Californians Deserve Balanced Climate Policies That People Can Actually Afford
Date: Friday, May 18, 2018 11:12:33 AM

This is an extremely well written op-ed. It gives just enough data to alarm the reader but also brings in the more human side of the potential impacts.

I'm checking to see if I can get a copy of the Black and Veatch analysis.

We should do a whole lot of this.



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From: [John Gregg \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) California becomes first state to mandate solar panels on new homes
Date: Wednesday, May 23, 2018 8:22:15 AM

A reprise from the Wall St Journal is interesting. First, the editors published an editorial hostile to the mandate: "California Prays to the Sun God" that said in part: "Regulators say the panels will add \$8,000 to \$12,000 to the cost of a home, which may be chump change in the Bay Area where the median home price is \$1.2 million. But that's a lot of money in Fresno or Bakersfield. " It went on to discuss various subsidies and that savings were premised on California electricity costing about 19.15 cents per kilowatt hour, twice as much as in Washington and a third higher than in Arizona.

From the letters:

In my first year here, I paid over \$2,500 for electricity, with the months from May through October routinely running over \$250. Over the three years since I've installed solar, my annual bill has been less than \$250.

I look at the installation of solar as an investment alternative to high-yield bonds and growth stocks. My annual return (\$2,100 on a net investment of \$11,900) is better than any investment vehicle I know. Recently our power company (APS) went to a different rate structure and my non-solar friends and family have seen their utility expense go up by 40%. With a solar-power system I am immune to such price increases.

Steven Schlosser Scottsdale, Ariz.

What is bad in our "nanny state" is the increase in our utility bills to pay for "green" energy. We have folks complaining on the website Nextdoor.com about their electric bills who have no idea the state legislature under Gov. Jerry Brown is the cause. SoCalGas and PG&E are blamed as evil, greedy corporations, with no media saying otherwise.

Larry Young Ventura, Calif.

Numerous readers wrote to extol the virtues of solar panels. My only comment: If solar panels are so worthwhile, they shouldn't need government subsidies or mandates.

**Alex Prieger
Agoura Hills, Calif.**



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) California becomes first state to mandate solar panels on new homes
Date: Wednesday, May 23, 2018 9:24:03 AM

Here's the link to the WSJ article:

https://www.wsj.com/articles/california-prays-to-the-sun-god-1526079559#comments_sector

Here's my favorite excerpt:

Thus, utilities pay homeowners to produce energy that they don't need at a huge mark-up and then send it to Arizona at a loss. Brilliant. Balancing the electrical grid will also become more expensive and challenging due to the solar-panel mandate.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) California All Solar Home Standard
Date: Saturday, May 5, 2018 11:27:06 AM

Excerpt

Zero net energy isn't enough," said Andrew McAllister, one of five state energy commissioners voting on the new homebuilding standards.



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From: [Tom Tanton \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) California All Solar Home Standard
Date: Saturday, May 5, 2018 11:48:20 AM

I'm starting to feel more and more like Alan Bates...



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) California All Solar Home Standard
Date: Wednesday, May 9, 2018 10:43:33 AM

They are saying that the upfront cost will pay for itself over 25 years in the home...as if the solar system will last that long. I doubt they are accounting for replacing the inverters every 10 years, cleaning the panels on a regular basis. what happens to the support hardware over 25 years in an outdoor environment? In 20 years those homes will need major updates to rehab aging solar panels...California will mandate they be replaced with new super duper panels at that time I'm guessing. I foresee issues selling your half a million 3 bedroom home with a rusted bunch of junk on the roof.



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From: [Tom Tanton \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) California All Solar Home Standard
Date: Wednesday, May 9, 2018 10:47:18 AM

not to worry Jim, in that amount of time the property will be leveled for a strip mall.



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From: [John Gregg \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Background Information for today's conference call on commercial boilers
Date: Tuesday, April 17, 2018 3:34:00 PM

AHRI Motion for Stay in Ninth Circuit Note argument on success on the merits



[#27022215v1_ME1_ - AHRI Motion in 9th Circuit.pdf](#) 146 KB • [Download](#)



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From: [John Gregg \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Background Information for today's conference call on commercial boilers
Date: Wednesday, April 18, 2018 10:07:12 AM

Apologies I clicked on the wrong file yesterday. This is AHRI's actual motion for a stay; the other doc (very similar) is its reply in support of DOE's motion for a stay; both motions were granted with appellants' brief due May 25, 2018



[#27022428v1_ME1_ - AHRI Error Correction Motion in Ninth Circuit.pdf 288 KB](#) • [Download](#)



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To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Background Information for today's conference call on commercial boilers
Date: Wednesday, April 18, 2018 1:59:03 PM

Thanks John. I read the first one and thought something was missing.



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To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Background Information for today's conference call on commercial boilers
Date: Wednesday, April 18, 2018 2:01:20 PM

PS:

Can we get DOE/DOJ filings too?



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Background Information for today's conference call on commercial boilers
Date: Wednesday, April 18, 2018 2:28:17 PM

I just finished reading the AHRI motion for stay pending appeal. I noted no specifics regarding harm to consumers (our customers) or the massive "error" (to put it kindly) within DOE's LCC analysis.



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To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Background Information for today's conference call on commercial boilers
Date: Wednesday, April 18, 2018 2:35:19 PM

Here is a potential opening maybe that we could focus on in an amicus brief (from page 12):

But plaintiffs' interpretation would impose a nondiscretionary duty on DOE to publish its proposed standards in the Federal Register **even when DOE realizes during the error correction period that those standards have serious flaws—indeed, even when the agency realizes those standards are not “technologically feasible and economically justified,” as EPCA requires.** 42 U.S.C. §6295(o)(2)(A).



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Background Information for today's conference call on commercial boilers
Date: Thursday, April 19, 2018 9:45:37 AM

Here is all I could find about public/consumer interests:

ARGUMENT

The decision to grant a stay pending appeal is governed by four factors: (1) whether the stay applicant is likely to succeed on the merits; (2) whether the applicant will be irreparably injured absent a stay; (3) whether a stay will substantially injure other parties; and (4) where the public interest lies.

IV. The Public Interest Also Favors A Stay.

*For similar reasons, a stay pending appeal is also in the public interest. See *Drakes Bay Oyster Co. v. Jewell*, 747 F.3d 1073, 1092 (9th Cir. 2014) (“When the government is a party, these last two factors merge.”). Granting a stay would preserve Executive authority over administrative rulemaking, avoid the risk of mootness, and avoid tens of millions of dollars in potentially wasted investment. Those public purposes plainly outweigh any countervailing interest in avoiding a temporary delay to the new energy conservation standards.*

To me at least, the ostensible reason that there even are appliance efficiency regulations to begin with is to benefit consumers. Yet they failed to make the case for it in this filing. However, my comment just above this one indicates they at least alluded to this factor by stating *those standards are not “technologically feasible and economically justified,”*

I suggest we concentrate on developing this issue.



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From: [Arthur Corbin \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Background Information for today's conference call on commercial boilers
Date: Thursday, April 19, 2018 5:28:54 PM

Mark,

It seems to me that building our amicus brief around the argument that the pre-publication commercial boiler rule did in fact have a fundamental error -- that is, it does not meet the requirements under EPCA to be technologically feasible and economically justified and consumers will be harmed -- doesn't help the Court reverse the lower court's decision. The other side will simply argue that our brief isn't demonstrating an error under the Error Correction Rule. Our brief is demonstrating a difference in opinion which was aired during the rulemaking proceeding and DOE moved forward with the pre-publication rule which they must now issue as a final rule. The argument you're suggesting seems to be strongest if made by the DOJ for the Agency itself rather than a stakeholder.



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To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Background Information for today's conference call on commercial boilers
Date: Thursday, April 19, 2018 5:34:33 PM

True. That's why I want to see what DOE/DOJ filed.

as far as the huge LCC error is concerned I think we could make a pretty strong case that it is indeed an error

So let's discuss this further the middle of next week when we have our next call.



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To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Background Information for today's conference call on commercial boilers
Date: Thursday, April 19, 2018 6:32:41 PM

You're right David it's got to be on the points which is limited to whether or not that huge LCC error is indeed an error

Clearly we think it is because we put it in our joint letter to DOE requesting them to fix it



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Background Information for today's conference call on commercial boilers
Date: Friday, April 20, 2018 2:51:41 PM

Arthur:

To me at least, it seems the crux of this litigation at present is what discretion does DOE have in its error correction rule. Secondary to that is the issue of what constitutes an error.

I'm thinking we have some unique insights to offer on the second matter per the joint letter that APGA and Spire sent to Perry (which John and Barton both worked on). [Click here](#) to download it.

I think no one so far on either side is talking specifically about the LCC modeling error because admission of it **massively** undermines the credibility of DOE's process as well as the "billion saved" (and more to be saved) by consumers as claimed by the NRDC and its buddies.

The question is whether or not we should make the case that the LCC modelling fiasco is an error (per the error correction rule) or roll the dice that DOE and AHRI win the discretion issue.

I've said before (and it's worth repeating), the issue of the LCC modeling error has to be resolved **sooner** (in the boiler rule) or **later** (in the furnace rule). If we wait for the furnace rule to address the massive LCC modeling issue, we forfeit future market share, create hardships for our customers and cede territory to NRDC and (to some extent) electrification.

I'm sure John and Barton have more to add and I'm hoping APGA sets up our next conference call by the middle of next week to hash these details out. The good news is that the APGA/Spire joint letter to Perry provides most of the meat for our amicus brief should we decide to focus on it.

In the meantime, SOMEBODY please get me DOE's filings to read.



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From: [Arthur Corbin \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) An interesting article about "Putting gas and electricity on a level playing field."
Date: Monday, April 9, 2018 5:38:42 PM

Mark,

Thanks for posting this. Yes, this should be a must read for our group. I'm amazed that it says:

- Legacy State Policy favors gas over electricity (*or do consumers actually favor gas over electricity for space and water heating, cooking and clothes drying?*)
- Ninety percent of water heating in California is done with gas, he said. Delforge (NRDC) added that the emissions from burning natural gas in California's residential and commercial buildings are equivalent to the emissions from all the state's gas-fired power plants. (*We need to check this fact. Even if it is true, we need to develop a response to this statement.*)
- State policymakers are beginning to shift course and address the preference for gas in buildings, but they are operating under constraints in existing California law. (*Really!*)
- He went on: "We have to show the regulation is in the best interests of California broadly. We have to show that the benefits outweigh the costs." The problem today: cheap natural gas. (*So having abundant, affordable energy available to Californians is a problem!!*)
- For NRDC's Delforge, the gas-to-electricity transition presents several important questions. On the stranded assets issue alluded to by CEC Commissioner McAllister, how do you pay for this legacy gas infrastructure, which was rate-based? And how do policymakers ensure that the customers remaining on the gas network are not those least able to switch to electricity? Rates may need to go up because fewer customers remain on the same-sized network. (*what about increases in electric rates required to fund the additional electric infrastructure?*)
- The Guays paid \$13,100 for the installation of an 18,000-BTU mini ducted heat pump from Fujitsu and accompanying duct work. A-1 had to install duct work for the unit because the home had lacked central heating. (*plus the cost of \$2,800 to upgrade their electrical panel, almost \$16,000 total and they saved \$100 on their monthly energy bill. Very few Americans can afford, or would elect, to make this poor investment in their home!*)



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From: [John Gregg \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) An interesting article about "Putting gas and electricity on a level playing field."
Date: Tuesday, April 10, 2018 1:06:06 PM

You guys just don't understand. CA has a "gas friendly legacy state policy" just because there are no rebates to replace gas appliances!

Although initially amusing for its absurdity, I think that belies a critical and erroneous assumption by the writer: converting to all electric is more efficient, so where is the efficiency rebate? Efficiency conflated with decarbonization so that you will subsidize my less efficient and higher cost electric hot water heater. I see no evidence of preference in the law to favor NG hot water except rebates on high efficiency models that is *federal* ENERGY STAR program applicable to **both** fuel sources [and where in 2017, electric was 61% of water heater promotions (up from 50% in 2016)].

And there is NRDC again pushing the idea that all those gas hot water heaters emit more GHG than power plants in CA. **I found this claim in a 2016 blog post that combines EIA and CARB data.** <https://www.nrdc.org/experts/merrian-borgeson/slashing-emissions-fossil-fuels-burned-buildings> See also Sept 2017 report making residential CO2 emissions an "emerging priority" based on comprehensive modeling by NRDC and the "well-respected consulting firm," Energy + Environmental Economics (E3). <https://www.nrdc.org/experts/roland-hwang/how-clean-energy-can-get-us-safer-climate-future>

The lack of clarity about the local electric grid is interesting. This article is highly quotable in many respects.

I've read no articles that (a) I'd like to cross examine more (especially the claim that the electric house is warmer when it lacked ductwork throughout the house before!), or (b) are a bigger commercial to go to Dan Lapato's Codes and Standards Committee !

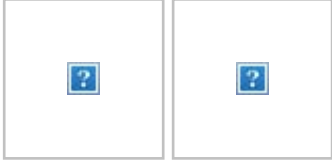


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From: [Daniel Lapato \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) AGA Electrification Impact Assessment Study - Key Findings
Date: Wednesday, May 16, 2018 11:19:13 AM

Mark,
Thank you for posting this. APGA staff will reach out to ESC staff to see if APGA members, that are not members of ESC, are welcomed to join the webinar.

As soon as we hear something we will post a response.



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From: [John Gregg \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: John sent you a Ping...
Date: Thursday, April 12, 2018 9:36:24 AM

Ping with Dave Kearney + John Gregg
You've got a new Ping...



9:31am

And the current is stopping

<http://www.bbc.com/news/science-environment-43713719>



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Your reply will be sent to John Gregg.

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From: [John Gregg \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Will CPUC Deny \$639M Pipeline Replacement Project?
Date: Friday, May 4, 2018 9:48:55 AM

San Diego Gas & Electric Co. and SoCalGas has sought approval from the California Public Utilities Commission to replacing an existing 16-inch pipeline with a 36-inch line that increase capacity on SDG&E's gas system by approximately 200 MMcf/day. CPUC Administrative Law Judge Colette E. Kersten in a proposed decision sided with environmental groups that argued the project made little sense given the state's aggressive decarbonization efforts, including the CPUC's stiffer renewable energy mandates and energy storage directives. "The proposed additional 200 MMcfd of capacity cannot be justified on the basis of meeting a relatively small deficit of 25 MMcfd or providing overall benefits to ratepayers. Applicants have not shown why it is necessary to build a very costly pipeline to substantially increase gas pipeline capacity in an era of declining demand and at a time when the state of California is moving away from fossil fuels."

The proposed decision now goes to the CPUC for a review and a vote, which could come as soon as June 21.

SDG&E spokeswoman Jennifer Ramp said the company is disappointed with the ALJ's proposed decision. "This draft decision puts San Diego at risk and prevents us from investing in the modern infrastructure that this region deserves," Ramp said Thursday. "PSRP is a critical infrastructure project that is needed to enhance safety of the natural gas system so that we can continue to meet the energy needs of approximately 880,000 customers including hospitals, the military, biotechnology, restaurants, schools and universities."



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) White House Aims to Roll Back Spending
Date: Monday, April 9, 2018 12:02:12 PM

Subscription required: <https://www.wsj.com/articles/white-house-aims-to-roll-back-spending-1523233549>

Would this be something that APGA would be willing to support?



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Water Heater Cost and Emissions
Date: Monday, April 16, 2018 1:33:11 PM

I think I'm ready for prime time...

Take a look at this and tell me what you think...it is a Tableau visual on the savings you see annually if your water heater is natural gas vs electric. Don't hold back...tell me what you like, what you don't like...improvement opportunities. I am thinking that we can make this available as a reference. Will look to add other visuals on furnace, heat pump, etc...

https://public.tableau.com/profile/jim_moore#!/vizhome/NaturalGasvsElectricWaterHeaterCostSavings/WaterHeaterCostandEmissions?publish=yes

Things to note:

The sliders on the right let you change assumptions.

If you hover over a state, info for that state pops up.

I'm working on average soil temps by state to set the inlet temp. For now its a slider.

Hot water gallons...I've seen several studies, but nothing definitive about avg hot water usage. I have a slider for now, need to come up with some guidance for users.

Based on average rates by state...actual marginal rates can be very different.

CO2 savings...not sure about showing that...in some states it shows that you save CO2 by going electric...but, at a high cost (see CA).

I excluded Alaska and Hawaii for now.

You can zoom in on any of the maps...especially in the Northeast to see each state and D.C.

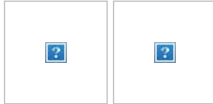


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From: [Daniel Lapato \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Two California Bills Propose to Eliminate the Direct Use of Natural Gas
Date: Monday, April 2, 2018 3:50:44 PM

APGA is drafting a respond to a pair California Bills that would eliminate the direct use of natural gas in residential and commercial applications.

Early this year the Californian PUC was attempting to prevent all new customers from choosing gas energy by placing a moratorium on new gas hookups in LA.

Now, the legislature is attempting to pass bills to achieve the same result state wide!

Two bills, Assembly Bill (AB) 3001 (Bonta) and AB 3232 (Friedman), would mandate the electrification of California's buildings without regard to cost or customer choice – and they are moving through the legislature!

http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201720180AB3001

http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201720180AB3232

The choice of energy is a top priority for APGA and the DUTG.

Please review the attached draft letter and send me any comments, edits or questions by tomorrow at non. We are also trying to secure a slot to offer testimony in front of the Committee.

Thanks,

Dan

 [Draft APGA Opposition Letter Template - AB 3001 \(4_2_18\) v.2.docx 21 KB • Download](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) The US is winning the climate fight in electricity — and losing it just about everywhere else
Date: Wednesday, April 11, 2018 3:40:13 PM

<https://www.vox.com/energy-and-environment/2018/4/10/17214446/climate-fight-electricity>

Excerpts:

- **Renewables are decarbonizing electricity**
- **Policy and advocacy have worked for electricity, but their focus must expand**

The above article is from same author as this (and pretty much the same message):

[**The key to tackling climate change: electrify everything**](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) The European Parliament has voted to approve a revised version of the Energy Performance of Buildings directive.
Date: Thursday, April 19, 2018 10:57:59 AM

I learned about this in ASHRAE's newsletter: [Click here](#) for the online version.

Excerpt:

- [European Parliament Approves Revised Version of Energy Performance of Buildings Directive](#)

BRUSSELS—The European Parliament has given its final approval to the revised Energy Performance of Buildings Directive, which sets goals for a low and zero-emission building stock by 2050. The directive directs the use of smart technologies to introduce automation and control systems to help buildings operate efficiently. They also integrate and strengthen building renovation strategies. In addition, the measures establish a path towards zero-emissions buildings by 2050. The European Parliament says that the more aggressive steps are prompted by the fact that around 75% of buildings in Europe are energy inefficient.

So why should DUTG care?

- The concept of "zero-emissions buildings" is aligned with "deep decarbonization" and beneficial electrification" that discriminates against "[on-site combustion](#)."
- This demonstrates that "voluntary" and/or "inspirational" zero emissions standards led to an EU mandate and this (at least) could happen in the US.
- This is part of the "global clean energy economy" [mission of EERE](#).
- One reason this is still EERE's mission **may** be that it fits into the Trump Administration's "energy dominance" theme (assuming that the U.S wants to dominate renewables too).

Am I making sense?

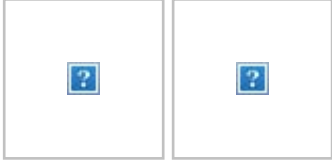


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From: [Daniel Lapato \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Summary of APGA's meeting with DOE officials.
Date: Wednesday, May 30, 2018 10:03:03 AM

Yesterday APGA staff and a representative from Spire met with officials from DOE to discuss some of the DUTG's initiatives. Below is a short summary for the meeting;

- Commercial Package Rule; Because this is an on-going legal issue DOE was unable to speak to the proceedings. We let DOE staff know we are watching the current legal challenges and if it is advantageous to our members we may proceed with our own legal strategy.
- ORIA Regulatory Agenda; APGA brought up the recently published ORIA regulatory agenda. DOE explained that they are obligated to publish an agenda twice a year. The dates associated with any rulemaking found on the list is a target and it is reasonable to expect those dates may change.
- The petition process; We discussed the use of the petition process versus the request of determination or the RFI process for determining separate product-classes and other regulatory changes. DOE has been able to hire additional staff that will be able to focus on the appliance energy efficiency program "backlog." DOE is will re-evaluate the difference processes and requested that APGA resend our initial request for determination.
- Building Codes; APGA discussed our concerns with DOE staff and representatives from the national labs proposing or supporting code changes that negatively impact (or eliminate) the use of natural gas. DOE requested APGA send examples of DOE staff or National Lab staff supporting these efforts.
- Next steps; APGA along with GTI will meet with DOE staff to discuss our work on the furnace rule and how the model flaws we discovered impact the rulemaking process.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Southern Co. CEO says its fleet should be low or no carbon by 2050
Date: Tuesday, April 10, 2018 10:29:41 AM

I don't know if this link will work without an subscription, but here it is:
<https://platform.mi.spglobal.com/web/client?auth=inherit#news/article?id=44169954&KeyProductLinkType=4&cdid=A-44169954-11305>

Anyway, Southern is getting on board the 80% carbon reduction by 2050 band wagon.

I expect many more electric utilities to follow. But why? Is it to avoid a certain climate catastrophe or is it more related to hopes of increasing market share through electrification?

I'm pretty certain I know why but I would appreciate others commenting about this.

Thanks

Mark



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Southern California Edison's electrification webinar
Date: Tuesday, April 24, 2018 6:43:09 PM

Title: Inside California's Pathway to Clean Power and Electrification Goals

Date: Wednesday, May 09, 2018

Time: 02:00 PM Eastern Daylight Time

Duration: 1 hour

Register: <https://dive.pub/2vE5lpO>



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Some USGBC chapters are aligning with ILFI
Date: Thursday, April 12, 2018 12:01:13 PM

Spire's Tom Schultz reports that the US Green Building Council (USGBC) Missouri Gateway Chapter is now formally aligned with the "International Living Future Institute" (ILFI) through a recent memorandum of understanding (MOU).

As you may recall, the ILFI has a [Living Building Challenge 3.1 Standard](#) that prohibits on-site combustion. Their standard is attached below. Open it and use the "find" function for the word combustion.

According to Tom, some USGBC chapters are "independent," like the local one here in St. Louis, and some of these have also signed an MOU with ILFI. I suspect that the national USGBC is probably getting peer pressure to go in the same direction.

Regardless, it looks like this could be more blips on the threat tracking radar.



[Living-Building-Challenge-Standard-3.1.pdf](#) 14.2 MB • [Download](#)



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Reception for Washington DC DUTG Meeting
Date: Monday, April 16, 2018 12:13:37 PM

As a reminder, there will be a reception in the Senate Agriculture Committee hearing room (this is the same location as last year's reception) on Tuesday (May 8th) evening for those attending the May 9th meeting of the DUTG in Alexandria, VA. I have attached a copy of the invite for the reception which provides additional details. Please feel free to share this invitation with congressional staff from your delegation. Thanks and I look forward to seeing you in a few weeks. Dave



[2018 APGA GRC Reception Invite.pdf 1.28 MB](#) • [Download](#)



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Please RSVP for the May 9th DUTG Meeting
Date: Wednesday, April 4, 2018 8:35:46 AM

For logistical purposes, we wanted to try and get a head count for the May 9th DUTG meeting (scheduled from 9am - 4pm) at The Alexandrian Hotel in Old Towne, Alexandria. Please email me at dschryver@apga.org and let me know if you plan to attend the meeting. Thanks, Dave



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Overview of California Natural Resources Committee Hearing on AB3232
Date: Monday, April 9, 2018 11:13:27 PM

Summary of Hearing on AB3232

Today I participated in a hearing in the California Assembly's Natural Resources Committee on state legislation, AB3232, which would require the California Energy Commission to establish a plan to achieve the goal that all new residential and nonresidential buildings built on or after January 1, 2030, to be zero-emission buildings. I was not slated to speak on behalf of the opposition to the bill but thanks to Sue Kristjansson's relationship with Assemblywoman Melendez, who serves on the Committee, I was able to speak before the group.

The hearing began with the bill's sponsor, Assemblywoman Friedman, discussing the bill. Some of her key points included:

- The greenhouse gas emissions of buildings in California is greater than the emissions of all the power plants in the state and this must be addressed if the state is to meet its climate goals; and
- The intent of the bill is not to mandate electrification and she is willing to work with the opposition to ensure that renewable natural gas is treated fairly in the bill.

Witnesses who spoke up in support of her bill included: Efficiency First California; Physicians for Social Responsibility (interestingly they said they support the health benefits that would be provided by the bill's goal of electrifying the building sector...); NRDC (which stated that building sector emissions represent 25% of the state's greenhouse gas emissions); and an architect and engineering group. Other groups that spoke up on support of the bill included: the Sierra Club; the California American Lung Association; Earth Justice; Fossil Free California. PG&E spoke up and communicated that at this point they were neutral on the bill but do have some concerns with the approach.

There were also several groups that spoke up in opposition to the bill, those groups included the California Renewable Gas Association which communicated they agreed with the intent of the bill but believe the bill would lead to more electrification and in turn greater emissions. They communicated they are working on a study of the emissions impacts. The Building Industry Association communicated that this bill would be a quantum leap in building standards and would lead to impacts on the grid and grid reliability. The California Manufacturing and Technology Institute expressed concerns regarding the impact the bill would have on industrial rate payers.

Other groups that weighed in to add their name to the opposition included: the Western Propane Gas Association; the California Natural Gas Producers Association; several business and dairy groups; and I communicated APGA's opposition. At this time, Assemblywoman Melendez stated she would like to hear more from APGA and I was allowed to address the Committee.

In my remarks I communicated that:

- Restricting Californians' right to choose what energy resource best fits their needs will ultimately increase their energy costs, lead to a less reliable energy system and produce little or no environmental benefits.
- Natural gas is delivered to Californians at 3 times the efficiency and one third the cost of electricity.
- Households that use all-electric appliances pay almost \$900 a year more than mixed-fuel homes. This will unfairly place low and fixed-income families in the uncomfortable position of having to choose whether to pay for energy versus other necessities such as food, medicine, child care, and more.
- I also pointed out that while some are claiming this bill is not an electrification bill at least one witness in support of the bill was claiming that its goal was electrification....

During the Q&A on the bill, a democratic member of the committee (Assemblywoman Eggman) stated that she represents a rural area that relies on propane. She also communicated that she enjoys cooking and can't imagine cooking on electricity. She also stated that she has a 1953 gas stove she cooks on and challenged anyone to find a working electric stove that old.

A lot of the discussion on natural gas revolved around renewable natural gas. Ultimately, the committee voted 6-3 (with one Republican voting in favor) to advance the bill to the Energy and Utilities Committee. Please let me know if you have any questions!



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Next Week's Conference Call of the DUTG has been moved to April 25th
Date: Thursday, April 12, 2018 10:47:05 AM

The DUTG conference call scheduled for next 3pm eastern time Wednesday, April 18th has been moved to 3pm eastern time on April 25th. An agenda for the call will be sent out shortly.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Most of us can't afford to goall-electric. Here's a fairerway to curb climate change
Date: Friday, April 20, 2018 3:57:14 PM

BY GEORGE MINTER



[SacramentoBEE-article209189564-042018-electrification.pdf 177 KB](#) • [Download](#)



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Meeting with DOE
Date: Wednesday, May 23, 2018 3:15:17 PM

As discussed at our DUTG meeting earlier this month, APGA has reached out to DOE to set up a meeting to discuss a number of issues, including the commercial boiler litigation, an update on DOE's efforts on the Process Rule, and a separate product class petition. We were able to set up a meeting for next Tuesday, May 22nd at 4pm eastern time. The meeting will be with: Daniel Simmons (Principal Deputy Assistant Secretary in the Office of Energy Efficiency and Renewable Energy); Alex Fitzsimmons (Chief of Staff and Senior Advisor at the Office of Energy Efficiency and Renewable Energy (EERE)); Sofie Miller (a former Senior Policy Analyst at the George Washington University Regulatory Studies Center who has joined DOE); and George Fibbe (Deputy General Counsel for Litigation, Regulation & Enforcement). We will report back after the meeting.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Meet Vaclav Smil, the man who has quietly shaped how the world thinks about energy
Date: Wednesday, April 18, 2018 9:24:37 AM

<http://www.sciencemag.org/news/2018/03/meet-vaclav-smil-man-who-has-quietly-shaped-how-world-thinks-about-energy>

Excerpt:

The transition from wood ("traditional biofuels") to fossil fuels—first coal, then oil and natural gas—took more than a century. Today, fossil energy is dominant, with wind and solar making up a mere sliver of the mix. The pace of past energy transitions suggests that a full-scale shift to renewables will be slow.



[Screenshot-2018-4-18 Meet Vaclav Smil, the man who has quietly shaped how the world thinks about energy.png 24.5 KB • Download](#)



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Materials in Advance of Tomorrow's DUTG Conference Call
Date: Tuesday, April 24, 2018 5:00:21 PM

Attached are two documents addressing agenda items on tomorrow's DUTG call. The first is a very rough draft agenda for the May 9th meeting in DC. The second is a brief memo on the energy advocacy program that AGA is developing. APGA staff have participated in two meetings with AGA, the most recent was last week, to learn more about the program. I look forward to talking with you tomorrow.

 [May 2018 DUTG Meeting Agenda.docx 17.2 KB](#) • [Download](#)

 [Memo on Energy Advocacy Program.docx 14.3 KB](#) • [Download](#)



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Materials for the DUTG Meeting Next Weel
Date: Monday, April 30, 2018 9:15:01 AM

Based on the input we received we wanted to send out a revised draft agenda for next week's meeting. Please let me know if you have any additional thoughts/revisions. I have also attached another document which outlines some potential studies for the DUTG to pursue with Purdue University (agenda item 5C). Thanks and we look forward to seeing you next week!

 [May 2018 DUTG Meeting Agenda.docx 20.1 KB](#) • [Download](#)

 [Potential Research Topics Strawman.docx 15.6 KB](#) • [Download](#)



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Marginal vs EIA avg residential rates
Date: Friday, May 4, 2018 6:03:58 PM

Mark is working on marginal rate info for the meeting next week. Below is a visual to show what a wide range of outcomes you can get using marginal vs average rates. But, also note that you will save money on natural gas no matter where you live in Missouri.

An "average" customer in Missouri will save \$346 every year on a natgas water heater using EIA avg rates. But, if you use actual utility marginal rates, savings range from \$158-\$762 depending on which electric utility is your supplier.

Using citygate natgas pricing plus some kind of adder should be a decent way to estimate natgas marginal rates...but, electric marginal rates vary dramatically across utilities. Not sure what we do on that. Tracking all the individual tariffs in the state of Missouri is very time consuming. They all have block rates, winter/summer differentials, energy efficiency adders, fuel adjustment clauses and a host of other adders and tariffs. Many of them also have an all electric tariff. Tracking every marginal rate in the country would be a massive undertaking.



[image.png 25.9 KB](#) • [Download](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Lazard is back
Date: Wednesday, May 23, 2018 12:14:26 PM

Via Rocky Mountain Institute's s latest study: "[THE ECONOMICS OF CLEAN ENERGY PORTFOLIOS](#)"

To see how, use the PDF "find" function for "Lazard"



[THE ECONOMICS OF CLEAN ENERGY PORTFOLIOS.pdf 11 MB](#) • [Download](#)



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Landfill Gas Energy Projects
Date: Monday, May 7, 2018 2:38:11 PM

California seems to think they can replace natgas with Renewable Natural Gas. Did a viz to show all the Landfill Energy Projects in the US. EPA data is here:

<https://www.epa.gov/lmop/landfill-gas-energy-project-data>

Viz is here:

<https://public.tableau.com/profile/jim.moore#!/vizhome/LanfillGasEnergyProjects/Sheet1>



image.png 340 KB • [Download](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Is Wind Energy a Good Idea?
Date: Tuesday, April 24, 2018 7:09:11 PM

<http://www.powerlineblog.com/archives/2018/04/is-wind-energy-a-good-idea.php>

Please check out the video. It would be worth considering if we could do something similar for "beneficial electrification."

I would appreciate any comments.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Is it time to petition for separate product Ccases for non-condensing gas appliances.
Date: Friday, April 27, 2018 8:27:49 PM

A year ago we wrote DOE to ask for a "interpretation" on this subject rather than a petition. The reason for an intpretation was that it would be v a gentler approach relative to a petition. We've had no reply to date.

This has recently become relevant because two entities, AHAM and CEI, have submitted petitions. AHAM's is for a cooking cooking and CEI's is for dishwashers. DOE which duly published in the Federal Register. These are attached below



[AHAM 425.18 Petition for DOE Rulemaking on Cooking Products Test Procedure.pdf 1.35 MB • Download](#)



[4.24.18 Fed. Register Notice on DOE Petion for Rulemaking CEI.pdf 716 KB • Download](#)

Also attached is the request for interpretation from June 6, 2017 signed by Spire's Mark Darrell and APGA's Bert Kalisch.

The objective of this exercise is to determine if when and how the following request can be transformed into a petition. Let the fun commence.



[Request for Legal Interpretation \(3\).docx 43.1 KB • Download](#)



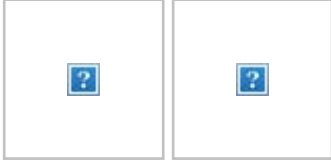
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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) ICF: Navigating the Path to the Low Carbon Future
Date: Monday, April 9, 2018 12:25:32 PM

<https://www.icf.com/resources/white-papers/2018/navigating-the-path-to-the-low-carbon-future>

While it seems ICF generally supports "deep decarbonization" and electrification, they are at least warning about "unintended consequences."

Excerpt from page 5:

Programs that encourage de-carbonization are not a panacea for the entire country. The benefits of any proposals or policies targeting deep decarbonization of large swaths of the economy must be balanced with the individual attributes and goals of the region or sector implementing the policies. Electrification of residential heating loads is one example of a policy with potential for significant unintended consequences if all factors are not considered. While electrification of residential heating loads would displace direct-use natural gas by consumers, any changes to net emissions would need to account for factors such as the local electric grid emission levels and the relative performance and efficiency of the replacement electric heating unit.

The chart below highlights this interplay between electric grid emissions and the performance of an electric heat pump in a given climate region. The colder the climate, the lower the grid emissions are required to be to result in a net reduction in the CO2 emissions. Additionally, while reductions in natural gas use could present savings opportunities on future gas distribution infrastructure requirements, any incremental demands placed on the electric system must also be considered. If the system is unable to accommodate significant increases in winter demand, there may be a need to develop new generating capacity, thus increasing the cost of the emissions savings. Developing policies catered to the needs and goals of a particular actor ensure the most cost efficient program is pursued.



[GRID EMISSIONS CROSSOVER VALUE NATURAL GAS FURNACE VS. ELECTRIC HEAT PUMPS.jpg](#) 32.6 KB • [Download](#)



[energy-navigating-path-to-low-carbon-future-wp-web_ICF_040518.pdf](#) 600 KB • [Download](#)



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Headcount for the DC Meeting
Date: Monday, April 23, 2018 1:25:22 PM

I wanted to confirm the list of attendees for our DUTG meeting in two weeks in DC. Please let me know if you plan on attending but your name is not included in the list below. Thanks, Dave

Attendees for May DUTG Meeting

Sue Kristjansson

Dave Kearney

Jim Hodges

Dave Schryver

Dan Lapato

Bert Kalisch

Audrey Anderson

Doug MacGillivray

Sasha Benjamin

Rodney Dill

Jonathan Snyder

John Gregg

Owen Reeves

Jim Moore

Stephen Mayfield

Staci Wilson

John Leary

Sam Davis

Greg Stunder

Greg Henderson

Mark Darrell

Mark Krebs



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From: [Sue Kristjansson \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Greentechmedia Article on SoCalGas "misconduct"
Date: Saturday, May 5, 2018 9:58:52 AM

https://www.greentechmedia.com/articles/read/socalgas-slows-efforts-to-electrify-buildings-sparking-claims-of-misconduct#gs.dpi_Jc0

Sorry for the delay in posting. Greentechmedia posted the attached article a couple of days ago discussing their interpretations of SoCalGas' activities in codes and standards. I take everything from this publication with a grain of salt but they claim that there is an investigation underway to label this as misconduct.

I know that I do not have to explain myself to this group as you are all well aware of what my intention was during the time of the furnace rulemaking but I want to clarify two things (all of my emails pertaining to codes and standards were made public through a data request issued in fall of last year):

1. The quote they reference is from an internal SoCalGas email exchange with a Vice-President of our company during our deliberations of how to respond to the furnace rulemaking and,
2. There is a substantive portion of that email that is missing - see below:

The VP asked me why PG&E was supportive of the furnace rulemaking considering that they are also a gas utility. Here is the part of the answer that they did not quote: "as for the PG&E question, they have adopted a position that CA if moving too slowly in this area and they are going to advance efficiencies **regardless of potential negative to customers.** They are actively developing a plan to achieve the governor's goals."

My point in the email was abundantly clear, that PG&E had not even considered the impact to the consumer and were purely focused on achieving an arbitrary goal for the sake of savings.

The fact that the author is intimating that there was misconduct on the part of SoCalGas is insulting and moreover, the fact that the OFFICE OF RATEPAYER ADVOCATES is challenging SoCalGas for conducting a thorough analysis of a rulemaking to ensure that the ratepayer was not negatively impacted is seriously ironic - who is really advocating for the consumer? The so-called "evidence" that ORA presented to the Administrative Law Judge was cherry picked from emails and eliminates text that provides much needed context.

My gut instinct is telling me that greentechmedia and their ilk are not going to let this go until they have their pound of flesh. Hopefully I am wrong but at some point I will get tired of having my name dragged through the mud with no defense. I know what I did, and I stand by it 100%. We can have an honest and candid debate but this debate is purely one sided and that is just not right.

There....I'm off my soapbox for today. :)

Happy weekend all!

Sue



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Follow up from Yesterday's Conference Call on Commercial Boilers
Date: Wednesday, April 18, 2018 8:29:06 AM

I wanted to provide an update to the group on the discussion yesterday regarding next steps on the commercial boiler rule. The call went very well with a very productive discussion on the various options for APGA to consider as outlined in the memo that John Gregg developed (a copy of this was posted on Basecamp).

The consensus of those on the call was for APGA to develop an Amicus Brief to file with the court. Spire communicated that they would share the costs of developing the brief. In addition, APGA staff is going to touch base with the AHRI legal team to get their thoughts on a potential appeal strategy if the rule is issued as is. If you were unable to participate on the call, please let me know if you have any additional thoughts on this course of action.



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Final APGA Testimony for Senate Energy Committee Hearing on Rural Energy Challenges
Date: Thursday, April 19, 2018 3:21:44 PM



[APGA Testimony to the Senate on Rural Energy Infrastructure 4_19_2018.pdf](#) 217 KB • [Download](#)

We wanted to provide everyone with a final copy of the testimony that APGA submitted to the Senate Energy and Natural Resources for their hearing to examine energy-related challenges and opportunities in remote and rural areas of the United States. We received a number of great suggestions and want to thank everyone for their efforts.



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) EVs Will Increase Emissions
Date: Wednesday, May 16, 2018 10:18:51 AM

From Politico...mainstream publication...good fact based look at EV emissions and costs.

<https://www.politico.com/agenda/story/2018/05/15/are-electric-cars-worse-for-the-environment-000660>



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From: [John Gregg \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Error Correction Rule Briefs
Date: Monday, May 28, 2018 7:44:36 AM

As scheduled, DOJ/DOE and the AIR-CONDITIONING, HEATING, & REFRIGERATION INSTITUTE filed their separate lengthy Opening Briefs in the Ninth Circuit on May 25, 2018. Attached.

DOE's Summary of the Argument:

Federal agencies have the policy discretion to determine whether to promulgate regulations, and an agency can withdraw or change a draft regulation at any time before it has been published in the Federal Register. That underlying policy-making authority reflects fundamental separation-of-powers principles, and cautions hesitation when a court is asked to compel an agency to issue particular regulations.

The district court concluded that DOE, without comment or explanation, intended to eliminate its own fundamental policy discretion when it adopted the error-correction rule. But the text, context, and regulatory explanations of that rule refute the district court's conclusion. The error-correction rule merely establishes a process for public input. But the error-correction rule leaves untouched the agency's underlying policy-making authority. The regulation accordingly cannot support the weight of the district court's injunction.

Even if there were some hypothetical regulation that explicitly eliminated the agency's authority to determine whether and when to promulgate rules, it could not be enforced in an EPCA citizen suit against the agency because jurisdiction over that category of suits is limited to alleged violations of statutory, not regulatory, duties. Moreover, the citizen-



[DOE Opening Brief 18-1538- et al.pdf 262 KB](#) • [Download](#)



[AHRI Opening Brief 18-15380 et al.pdf 998 KB](#) • [Download](#)

uit provision only applies to non-discretionary duties, and the error-correction rule retains the agency's discretion to determine whether and when to promulgate the draft rules at issue here.

Finally, none of plaintiffs' other claims have any merit, and this Court should reject them outright. Neither FOIA nor the Federal Register Act imposes any obligation on federal agencies to publish draft rules that the agency has not yet adopted and that are not in effect. And the agency has already complied with the statutory requirement to establish energy conservation standards for battery chargers.



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Electric cars are failing to woo the average American
Date: Wednesday, May 2, 2018 11:42:58 AM

Low and middle income subsidize upper income's EV habit...don't make me pay so you can drive a Tesla. Same thing with solar panels and high efficiency appliances...vast majority go to wealthy households and the rest of us pay for it. The Occupy Wall Street crowd protesting the 1% are the same people pushing electrification.

<http://www.businessinsider.com/electric-cars-roadblocks-tax-credit-2018-4>

"The government offers tax credits for those who buy electric vehicles but 79% of these tax credits were taken by households making more than \$100,000 a year."

"Extending that out a bit showed that households with \$50,000 per year or more made up 99 percent of EV tax credits."



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Draft APGA Testimony for Senate Energy Committee Hearing on Rural Energy Challenges
Date: Tuesday, April 17, 2018 10:20:48 AM

The Senate Energy and Natural Resources Committee has scheduled a hearing for Thursday, April 19th to examine energy-related challenges and opportunities in remote and rural areas of the United States. I have included a list of witnesses below which, as you can see, is electricity focused.

- Ms. Carole Plowfield, Director, Office of Indian Energy and Policy Programs, U.S. Department of Energy
- Mr. Matt Greek, Senior Vice President of Research, Development and Technology, Basin Electric Power Cooperative
- Mr. Doug Hardy, General Manager, Central Montana Electric Power Cooperative
- Mr. Andrew Lyons, Weatherization and Energy Assistance Program Manager, HopeSource
- Mr. Robert Venables, Executive Director, Southeast Conference

APGA would like to submit testimony for the record which addresses the benefits that would be provided by increasing rural access to natural gas for direct use. Draft testimony is attached. Please review the draft and let us know if you have any thoughts/revisions. We need to file this tomorrow morning so please get back to us as soon as possible. Thanks in advance for your input.

 [Draft Senate Testimony on Rural Energy Infrastructure 4_16_2018 V.1DM.docx 33 KB](#) • [Download](#)



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Draft Agenda for the Wednesday, April 25th DUTG Conference Call
Date: Monday, April 23, 2018 2:13:32 PM

Attached is a draft agenda for the Wednesday, April 25th DUTG conference call. Please let me know if you have any revisions to the agenda. In advance of the Wednesday call, we will be sending out some additional materials including a draft agenda for the May meeting and a background memo on the AGA Advocacy Training Initiative. To participate on the call, please dial 1-800-582-3014 and the passcode is 828590281#.

 [AGENDA FOR THE APRIL 2018 CONFERENCE CALL OF THE DIRECT-USE TASK GROUP.docx](#) 15.5 KB • [Download](#)

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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Development of an Energy Ambassador Training Program
Date: Thursday, April 12, 2018 10:56:12 AM

As discussed on our last conference call, attached are materials AGA has developed on an Energy Ambassador Training Program. They are working on setting up a meeting, which they have extended an invitation to APGA to participate in, to further discuss the development of the program.



[AGA Proposal \(5\).pdf 103 KB](#) • [Download](#)



[AGA_RFP_FINAL_DDC \(3\).pdf 845 KB](#) • [Download](#)



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Conference Call to Discuss the Status and Next Steps on the Commercial Boiler Rule
Date: Wednesday, April 11, 2018 10:42:57 AM

As discussed on our March conference call, we would like to hold a conference call to discuss the status and next steps on the commercial boiler rule. The call will be held at 3pm eastern time on Tuesday, April 17th. The call is open to anyone that wishes to participate. The call-in information is included below:

To participate in the call please dial 1-800-582-3014 and the passcode is 828590281#.



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From: [Arthur Corbin \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) COMPETITIVENESS OF RENEWABLE-GENERATION RESOURCES: A Review of the Role of System Integration Costs, Regional Differences, and Externalities
Date: Friday, May 18, 2018 4:52:31 PM

Here is a study recently released by the University of Texas at Austin, Bureau of Economic Geology's Center for Energy Economics.



[CEE_Research_Note_Competitiveness_Generation_Apr18.pdf](#) 2.4 MB • [Download](#)

Unfortunately this study doesn't include natural gas direct use in its analysis. However, as you'll see, it does a pretty good job incorporating system integration costs and externalities to more completely analyze the cost of renewable energy. Should we consider including this academic center along with the University of Purdue for a future study? It may be relatively straightforward for them to add natural gas direct use to this work. What do you think Dan Lapato and Dave Kearney?



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Comments to the CPUC
Date: Wednesday, May 16, 2018 1:01:27 PM

As discussed during last week's meeting, the California Public Utilities Commission has released a 100-page white paper called a Green Book, "California Customer Choice: An Evaluation of Regulatory Framework Options for an Evolving Electricity Market". I have included below a link to the document. Copy on the white paper are due June 4th. I wanted to get the task groups's thoughts on having APGA submit comments which would highlight the benefits of direct and the adverse consequences of moving to an all-electric future.

<http://www.cpuc.ca.gov/customerchoice/>



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Cobalt – The Importance of this Critical Rare Earth Metal to the US Energy Policy
Date: Monday, April 2, 2018 10:55:15 AM

And you thought OPEC was bad.

https://www.energycentral.com/c/pip/cobalt-%E2%80%93-importance-critical-rare-earth-metal-us-energy-policy?utm_medium=eNL&utm_campaign=pulse&utm_content=491370&utm_source=2018_04_02

Excerpt:

The biggest problem for U.S is getting a steady and adequate cobalt supply. About 40% of world's cobalt supply is by DRC and china seems to have gone ahead to convince china to export all its cobalt for refinery in china.



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From: [Sue Kristjansson \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) CBIA releases findings of cost to electrify as well as consumer preference for natural gas.
Date: Tuesday, April 24, 2018 11:44:00 AM

Found this on Facebook. The California Building Industry Association is striking back at the electrification movement. CBIA has long been an advocate for natural gas and consistently challenges erroneous actions in the codes and standards arena with the CEC. Linked below is a press release they issued alerting to their findings on the high cost of electrification among other things. Enjoy!

<http://myemail.constantcontact.com/CBIA-Announces-Findings-on-High-Cost-of-Electrifying-Homes-and-Californians-Preference-for-Natural-Gas.html?soid=1121110856767&aid=ggXoQ6gbYU0>



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From: [Sue Kristjansson \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) California All Solar Home Standard
Date: Saturday, May 5, 2018 11:07:03 AM

And then there is this.

<https://www.pe.com/2018/05/04/california-to-become-first-u-s-state-mandating-solar-on-new-homes/>



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Background Information for today's conference call on commercial boilers
Date: Tuesday, April 17, 2018 11:25:09 AM

To provide you with some background information in advance of today's conference call on commercial boilers, I have included a memo prepared by John Gregg below. This conference call is open to any DUTG members that wish to participate, the call in number is 1-800-582-3014 and the passcode is 828590281#.

Background

In 2016, the Department of Energy (DOE) issued a regulation known as the Error Correction Rule, 10 C.F.R. §430.5, to give the public an additional opportunity to review proposed energy conservation standards before they are finalized and published in the Federal Register.

Environmental interests*** appealed the Trump DOE's failure to make final by publishing in the Federal Register four proposed energy conservation standards (including the commercial boiler rule). Plaintiffs principally contended that once DOE posted proposed standards for these products for public review under the Error Correction Rule, the agency was then required by law to put those standards into effect by publishing final versions in the Federal Register.

Judge Vince Chhabria of the U.S. District Court for the Northern District of California in February ordered the DOE to publish in the Federal Register by March 15, and noted that it would entertain a motion for a stay pending appeal. The government moved for a stay pending appeal, and Air-Conditioning, Heating, and Refrigeration Institute (AHRI) filed a brief response in support. The district court denied the motion "without prejudice to renewing the motion in this Court within 7 days," and granted a temporary stay until April 10 "so that [DOE] and [AHRI] have sufficient time to seek a stay from the Court of Appeals (and from this Court if they wish to file a renewed motion)."

In accordance with that order, AHRI filed its own notice of appeal and motion for a stay pending appeal in the district court. . Meanwhile, the government filed a motion at the Ninth Circuit for a stay pending appeal on Mar. 20, 2018. AHRI then filed its stay motion in the Ninth Circuit on 03/30/2018. It attached four sworn declarations to its motion from commercial packaged boiler manufacturers attesting that absent a stay, they would have to begin incurring substantial research and development costs within months after the proposed energy conservation standards are published in the Federal Register (and well before any appeal would be decided).

Note: The Air-Conditioning, Heating, & Refrigeration Institute was the only intervenor below, represented actively by Kirkland and Ellis, but has now appealed the federal court's decision.

Ninth Circuit Grants Stay and Sets Expedited Briefing Order

On April 11, the court of appeals granted the stay motions and expedited proceedings in these consolidated appeals.

The opening briefs and excerpts of record are due May 25, 2018; the answering briefs are due June 25, 2018; and the optional reply briefs are due within 21 days after service of the last-served answering brief.

All parties on a side are encouraged to join in a single brief to the greatest extent practicable. See 9th Cir. R. 28-4. No streamlined extensions will be approved under Ninth Circuit Rule 31-2.2(a). No written motions for extensions of time under Ninth Circuit Rule 31-2.2(b) will be granted absent extraordinary and compelling circumstances. The Clerk shall place these appeals on the first available calendar upon completion of briefing.

Options for Consideration

1) Let AHRI carry the water - This option would have no financial impact upon APGA.

2) File a late Motion To Intervene (MTI) and join AHRI brief -Neither the Federal Rules of Appellate Procedure nor the Ninth Circuit Rules address intervention on appeal. However, that court has applied the standard for intervention set forth in Rule 24 of the Federal Rules of Civil Procedure. A party seeking to intervene as of right must meet four requirements: (1) the applicant must timely move to intervene; (2) the applicant must have a significantly protectable interest relating to the property or transaction that is the subject of the action; (3) the applicant must be situated such that the disposition of the action may impair or impede the party's ability to protect that interest; and (4) the applicant's interest must not be adequately represented by existing parties. There would be some costs upon APGA associated with filing the MTI.

3) File an Amicus Brief - Federal Rules of Appellate Procedure 29(a) governs amicus filings during a court's initial consideration of a case on the merits. Any amicus curiae other than the government may file a brief only by leave of court or if the brief states that all parties have consented to its filing. A motion to file must state why an amicus brief is desirable and why the matters asserted are relevant to the disposition of the case. The Ninth Circuit requires that the motion must state that it endeavored to get the consent of all parties. This option would have the greatest financial impact upon APGA.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) ASHRAE webcast, April 19, 1 to 4 pm EDT
Date: Thursday, April 19, 2018 10:30:58 AM

["Making Energy Efficiency a Reality"](#)

[Register Now to view the FREE ASHRAE Webcast](#)

Viewers will learn about:

- *Myths and realities of energy efficiency discovered through real-life experiences.*
- *How a practical design approach can help achieve optimum energy performance in commercial and high-rise residential buildings.*
- *Strategies and policies that dive into deep efficiency goals.*

This webcast program is brought to you by the ASHRAE Chapter Technology Transfer Committee.

"Deep efficiency?" Sounds like "beneficial electrification" and it's sibling "deep decarbonization" doesn't it? So please attend to find out.

Thanks



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) APGA Submits Testimony in Opposition to California State Bill
Date: Wednesday, April 4, 2018 5:26:44 PM

As Dan communicated in an earlier email, today APGA submitted a letter to the California State Assembly Committee on Natural Resources in opposition to AB3001 which would require all new buildings in the state to be "electric ready" beginning in 2022. APGA is also working to position itself to testify at the committee hearing scheduled for Monday, April 9th. A copy of the letter is attached.



[APGA Opposition Letter - AB 3001.pdf 150 KB](#) • [Download](#)



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From: [Daniel Lapato \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) APGA Submits Testimony Opposing the California Assembly's Bill 3232
Date: Friday, April 20, 2018 1:58:16 PM

On Friday April 20th APGA submitted written testimony opposing the California Assembly's Bill 3232 (AB 3232). AB 3232 requires the state's PUC to develop a plan to achieve the goal of reducing the emissions of greenhouse gases by the state's residential and commercial building stock by at least 40 percent below the 1990 levels by January 1, 2030. This bill is clearly intended to severely limit the direct use of natural gas in homes and business.

The bill is counterintuitive and simply will not achieve its stated purpose because forced switching to electric options in buildings and homes will increase the state's carbon emissions. Moreover, eliminating natural gas use in homes and commercial buildings will lead to a less reliable and secure energy system that costs Californians much more than most can afford. If the intent of this bill is to reduce residential and nonresidential buildings' emissions, then the Assembly should consider legislation that maximizes the use of natural gas in these buildings.

The legislation is based on the belief that buildings contribute 25 percent of all emissions of greenhouse gases from California. Using the latest data from Energy Information Administration, we contradicted that assumption. The total carbon emissions from natural gas used in the residential and commercial sectors combined was well below the carbon emissions from the electric sector (which does not include California's significant imported electricity). More importantly, total carbon emissions from residential homes and commercial buildings only accounts for 12% of California's total carbon emissions (with the transportation sector accounting for 57% of total carbon emissions).

Link to AB 3232; http://leginfo.legislature.ca.gov/faces/billNavClient.xhtml?bill_id=201720180AB3232

A copy of our comments;



[APGA Opposition Letter - AB 3232 4-20-18.pdf 87.9 KB](#) • [Download](#)



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Hodges, Jim Moore, Jim Ranfone, Jimmy Sprouse, John Gregg, John Leary, John Powers, Jonathan Snyder, Kathy Garcia, Mark Darrell, Mark Krebs, Matt Ballard, Michael Avanzi, Mike Gundersen, Neil Leslie, Nicole Graham, Nikki Adkisson, Owen Reeves, Randall Ware, Richard Worsinger, Robert Talley, Rodney Dill, Sam Davis, Sasha Benjamin, Staci Wilson, Stephen Mayfield, Sue Kristjansson, Ted Williams, Thomas Schultz, Todd Jorgenson, Tom Tanton, and Vicki O'Neil.

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From: [Audrey Anderson \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) APGA Press Release: APGA Speaks to California Natural Resources Committee
Date: Friday, May 4, 2018 1:56:54 PM

 [APGA Speaks to California Natural Resources Committee.docx 17 KB](#) • [Download](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) An interesting article about "Putting gas and electricity on a level playing field."
Date: Monday, April 9, 2018 4:10:01 PM

This should be considered a must read so we can discuss it.

Thanks

Mark

[What Does It Take to Electrify Everything in Your Home?](#)

Excerpt:

“It’s a good step forward — and an important step forward to level the playing field and remove the bias against electric technologies — but it doesn’t go far enough, at least for the long term,” he said. “In the long term, we’re going to need a building code that aligns with the state’s climate goals and incentivizes the low-carbon options.”

Delforge said one of the reasons the state’s investor-owned utilities are prevented from establishing programs for electrification rebates and incentives is the so-called “three-prong test.” An adopted policy measure must constitute an improvement from an environmental, energy and cost perspective.

“But the way these prongs are defined is still grounded in that ‘90s world where the grid didn’t have much renewables on it. It’s an outdated test, and it needs to be revised,” he said.

His employer, the NRDC, filed a motion with the California Public Utilities Commission nine months ago, so far without a response, asking commissioners to update or amend the three-prong test.

California regulators could go much further to promote a transition to cleaner electrified buildings if given a political signal from the legislature to prioritize decarbonization in buildings. NRDC is pushing a package of four bills awaiting action in the legislature:

- [AB 3232](#): This bill would require all new residential and commercial buildings to be zero-emission buildings by 2030. It also directs the CEC to develop a strategy to reduce greenhouse gas emissions in California’s building stock to 50 percent below 1990 levels by 2030.
- [AB 3001](#): This bill specifically addresses the three-prong test by directing the CEC to add a greenhouse gas metric: to “include societal and environmental costs of energy use in determining the cost-effectiveness of programs.” The bill

also requires the CEC to require new residential and commercial buildings to be electric-ready buildings from 2022.

- **SB 1477**: This bill aims to do for zero-emission space- and water-heating technologies what the California Solar Initiative did for rooftop solar and the Clean Vehicle Rebate Project is doing for plug-in electric vehicles: build a market. The bill directs the CEC to develop a statewide “market transformation initiative” for low-emission space and water heating equipment and to establish a Zero-Emission Building Program to provide incentives for these products.
- **AB 2195**: This bill directs the Air Resources Board to track greenhouse gas emissions from natural gas leakage and venting during the production, processing, and transporting of natural gas imported into California.

Caveat:

“There’s not yet an established clear pathway to substitute a large portion of our existing natural gas system over to non-fossil options,” he said.

Worse, quotes from electricians were all over the map. One said it would cost \$3,000 and take six months to install the new feeder line. Another said it would cost \$6,000 for a new 200-amp electrical panel and \$4,000 for the upgraded feeder line. Still another said he could install a new electrical panel the next day for \$2,800, but without notifying PG&E about the upgrade or pulling a permit.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) AGA Electrification Impact Assessment Study - Key Findings
Date: Wednesday, May 16, 2018 11:07:17 AM

Note that it doesn't say restricted to AGA and/or ESC members.

Join us for a webinar on June 7, 2018 at 2:00 PM EDT. [Register Now!](#) This monthly webinar series is hosted by the Energy Solutions Center and the American Gas Association, and is **provided free of charge to natural gas utility professionals**. Attendees will earn 1 Professional Development Hour (PDH) for attending this 1-hour webinar. You can't look at the news without seeing an article calling for the need to abandon natural gas appliances in the residential sector in favor of electric as a way to take care of the environment and reduce greenhouse gas emissions. But, will this really reduce emissions? Does it make economic sense to stop using a clean burning, domestic fuel? In order to discover the real impact of this type of mandate both AGA and ICF joined forces and conducted a study to discover: if residential electrification will actually reduce greenhouse gas emissions; the impact on natural gas utility customers; the impacts on both the power sector and the transmission infrastructure as well as the overall cost of electrification. This webinar will share the results of this study and discuss how the natural gas industry can tell their side of the story by developing a compelling story. Don't miss the opportunity to hear the results of this very important study.

About the Speaker: The speaker will be Rick Murphy, Managing Director, Sustainable Growth for the American Gas Association. Mr. Murphy is responsible for AGA's program area focused on long term demand growth opportunities for the natural gas utility industry. Mr. Murphy works with AGA's member companies to explore new business models and leadership strategies for natural gas utilities to deploy in an evolving energy economy. This role is responsible for leading priority initiatives intended to support growth for natural gas utilities as well as long-term value for its customers. Mr. Murphy earned his MBA degree from Northeastern University and a Bachelors degree from the University of Massachusetts - Lowell.

Please be reminded that this webinar is geared for utility personnel and may include discussions not suitable for customers. The Energy Solutions Center would be happy to conduct customer, contractor, and/or A&E webinars for members of ESC, free of charge. After registering, you will receive a confirmation email containing information about joining the webinar. [View system requirements](#).



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) ACEEE: What is resilience worth to you? A new metric could answer that question
Date: Thursday, April 26, 2018 11:35:09 AM

<http://www2.aceee.org/webmail/310911/137471234/01084bff2a95026723ec7e8c2fb148f55a6b44b17e0dcd727e099ab2c078c109>

I 'll be nice and give them partial credit for covering CHP. However, they ignored direct use.



[Valuing Distributed Energy Resources.pdf 973 KB • Download](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) ACEEE 2018 Rural Energy Conference
Date: Friday, May 4, 2018 1:19:14 PM

ACEEE [2018 Rural Energy Conference](#)
[Georgia Tech Global Learning Center](#) • Atlanta, GA
October 22, 2018

Excerpt:

*Join other energy experts in submitting ideas for presentations that explore energy efficiency in rural and small-town America. We're interested in topics such as financing and designing rural efficiency programs, alleviating the residential energy burden, serving low-income households in sparsely populated areas, and using efficiency to spur local economic growth (especially in agricultural, manufacturing, and mining-dependent counties). We also want to explore distributed energy resources in rural areas, **beneficial electrification**, broadband-enabled energy efficiency, EM&V, and other pressing issues. Please tell us about your successful programs, initiatives, and ideas for saving energy and better serving rural communities across the nation.*

I guess they're not interested in beneficial gasification. But someone could submit a paper to verify. Any takers?



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) 2018 National Energy Codes Conference
Date: Wednesday, May 23, 2018 10:14:40 AM

Join us at the [2018 National Energy Codes Conference](#) hosted by the U.S. Department of Energy. The event will be held July 15-17, 2018 in Austin, Texas.

So, who wants to go?

PS: Agenda isn't available yet.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) 2018 Energy Efficiency, Demand Response, and Electrification Symposium: Electric HVAC Options for Tall Buildings
Date: Friday, April 20, 2018 1:32:37 PM

April 18-19, 2018: New York, NY
Looks to be a preview of EPRI's August electrification conference in Long Beach



[2018 EPRI Symposium Presentations_Electric HVAC Options for Tall Buildings_4-18-18 v3.pdf 13.6 MB](#) • [Download](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (Responding to "Environmentally Beneficial Electrification" Campaign) From Good Intentions to Deep Decarbonization by Jeffrey D.pdf
Date: Wednesday, February 14, 2018 10:23:49 AM

Document source:

<https://www.project-syndicate.org/commentary/paris-climate-talks-deep-decarbonization-by-jeffrey-d-sachs-et-al-2015-12>



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From: [Tom Tanton \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Wind needs \$ billions in Transmission
Date: Wednesday, January 17, 2018 10:43:29 AM

Call them GenTies and make the wind developers pay the cost. Everybody else does. Avoid calling them network assets.



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Wind needs \$ billions in Transmission
Date: Thursday, January 18, 2018 10:29:07 AM

Forbes picked up on the article.

<https://www.forbes.com/sites/kensilverstein/2018/01/17/wind-and-solar-energies-could-peter-out-if-transmission-grid-is-not-expanded/#68bf8ad94f3c>

I sent the author an email asking the impact on cost...makes wind way more expensive than traditional generation. Also, wind in Kansas supplies little or no ancillary benefits on the grid. Have to install simple cycle turbines at the load center for VAR support, voltage support, frequency response, capacity and reserves. Essentially with wind you have to install 2 power plants. Doubt if he'll respond.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Updated Agenda for Today's DUTG Conference Call
Date: Wednesday, March 21, 2018 5:36:47 PM

As we were discussing on today's DUTG conference call, below is the list of RIN's that OIRA has on hold:

[List of OIRA's "long-term actions" for natural gas appliances](#)

 [OIRA long term action list for natural gas-fueled appliances.xlsx](#) 11 KB • [Download](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) U.S. Senate Committee on Energy and Natural Resources hearing on Energy Infrastructure
Date: Tuesday, February 6, 2018 12:00:03 PM

Thanks for doing this Dan. Per the attached, I've suggested a few minor changes. That said, I have a major question. How can Spire best repurpose its "energy resiliency" comments previously submitted to the House Energy and Commerce Committee's "Powering America" series of hearings?

One way is to reference them and/or attach to APGA's. Let's discuss.

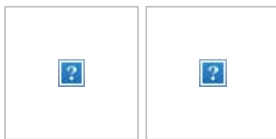
 [Draft Senate Testimony on Energy Infrastructure 2_8_2018 V.1 MEK edits.docx 31.5 KB](#) • [Download](#)

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From: [Doug MacGillivray \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) U.S. Senate Committee on Energy and Natural Resources hearing on Energy Infrastructure
Date: Tuesday, February 6, 2018 12:04:28 PM

Just a note. If you provide comments, it is preferable if they are in track changes so that we can see what was changed and keep track of everyone's input.

Thank you.



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From: [Daniel Lapato \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) U.S. Senate Committee on Energy and Natural Resources hearing on Energy Infrastructure
Date: Tuesday, February 6, 2018 1:53:36 PM

Mark,

Thanks and I will work with Doug and Dave to get your edits incorporated into the final testimony. As for your House Energy Resiliency comments. I think the most effective approach is to re-crafted them slightly and submit them as new testimony. I am not talking about a lot of work, basically replacing "House" with "Senate" type changes.

Referencing past testimony or making them an attachment will decrease the likely hood of them being reviewed by staff.

Thanks,
Dan



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From: [Robert Talley \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) U.S. Senate Committee on Energy and Natural Resources hearing on Energy Infrastructure
Date: Tuesday, February 6, 2018 2:19:15 PM

I did? Check the edit view. I make is mine are not really messy. You should be able to see a full redline. If you can't, let me know.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) U.S. Senate Committee on Energy and Natural Resources hearing on Energy Infrastructure
Date: Tuesday, February 6, 2018 4:47:31 PM

Done.

Who are you going to be sending APGA's comments to?

I need email address(es).



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From: [Daniel Lapato \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) U.S. Senate Committee on Energy and Natural Resources hearing on Energy Infrastructure
Date: Wednesday, February 7, 2018 1:52:45 PM

Attached is the testimony APGA has submitted to the U.S. Senate Committee on Energy and Natural Resources for their "The Evolution of Energy Infrastructure in the United States and How Lessons Learned from the Past can Inform Future Opportunities" hearing. Below is the link to more information on the hearing and its live webcast.

<https://www.energy.senate.gov/public/index.cfm/hearings-and-business-meetings?ID=C9CB84BD-EDC9-4FCE-AD93-742471F42FCE>

The purpose of this hearing is to examine the evolution of energy infrastructure in the United States and how lessons learned from the past can inform future opportunities.



[APGA Senate ENR Testimony Energy Infrastructure.pdf 271 KB](#) • [Download](#)

Please don't hesitate to contact me if you have any questions.



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From: [Donnie Sharp \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) TVA
Date: Thursday, January 18, 2018 12:24:26 PM

Yes, Huntsville Utilities passed their notice forward to our customers



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From: [Greg Henderson \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) TVA
Date: Thursday, January 18, 2018 12:30:28 PM

Yes. I was surprised



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) TVA
Date: Thursday, January 18, 2018 1:02:04 PM

In Texas, they just charge consumers:

ERCOT sets winter demand record, pushing prices above \$2K/MWh



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From: [Mike Gundersen \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) TVA
Date: Thursday, January 18, 2018 1:26:49 PM

I didn't see the official notice, but I've heard numerous calls for reduction via television and radio.
We know the best solution to their problem..... increase the direct use natural gas!!

Thanks,
Mike Gundersen



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Trumps FY2019 budget is out
Date: Monday, February 12, 2018 5:43:48 PM

Nope; it already started. Google "Trump budget details for energy efficiency"



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Trumps FY2019 budget is out
Date: Monday, February 12, 2018 5:47:14 PM

For example, here's NRDC's:

[Energy Efficiency: A Big Loser in Trump's Proposed Budget](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Trumps FY2019 budget is out
Date: Monday, February 12, 2018 5:50:53 PM

Looks like the details are buried in here somewhere
<https://www.whitehouse.gov/omb/budget/>



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From: [Doug MacGillivray \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Trumps FY2019 budget is out
Date: Monday, February 12, 2018 5:53:26 PM

As part of the Bipartisan Budget Act of 2018, Congress signed onto budget caps for 2 years and included deeming language, which means they can "deem" FY 2019 levels without passing a resolution. In other words, Congress will not be passing a budget this year, effectively rendering the President's budget even more irrelevant than usual (note: this is true for ALL presidential budgets, not just this Administration's -- they are never enacted).



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Trumps FY2019 budget is out
Date: Tuesday, February 13, 2018 11:25:57 AM

I suggest we make an effort to ensure EERE's proposed budget cut stick. If not, we should expect more of the same mission: [transition to a global clean energy economy](#). This is code for "deep decarbonization" through "beneficial electrification."

BTW: a good review

[Trump budget would gut EPA, DOE renewables office](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Today's EEI/NRDC agreement
Date: Friday, February 16, 2018 10:17:01 AM

Some more news from NARUC:

[NARUC](#) is the national association representing the State Public Service Commissioners. I don't know if or where NARUC regulates APGA members but I'd like to know.

"Beneficial electrification" was apparently a major indoctrination thrust. Spire had 3 people at the NARUC conference and they brought back some propaganda some of which I was able to track down on the web:

1. A new magazine on electrification that you can sign up for at NEMA's [website](#)
 2. A "preview" of [EPRI's study on U.S. National Electrification Assessment](#)
 3. A flyer for EPRI's upcoming [Electrification 2018 conference & exposition](#)
I plan on attending.
 4. The Regulatory Assistance Project (RAP) "Beneficial Electrification" series
http://www.raonline.org/?sfid=5489&_sf_s=beneficial%20electrification
- Two of these are attached below as PDF's



[EI_Jan18.pdf 2.55 MB](#) • [Download](#)



[PREVIEW OF THE US NATIONAL ELECTRIFICATION ASSESSMENT.pdf 684 KB](#) • [Download](#)



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From: [John Gregg \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Today's EEI/NRDC agreement
Date: Saturday, February 17, 2018 10:03:38 AM

I did not know NEMA or that its publication goes back 4 years; and then there is EPRI. "EPRI's Board of Directors approved an Electrification Initiative in 2017 to study the pivotal role of efficient electrification, including analysis, creation of an electrification technology pipeline, and expansion of R&D collaborations. This document, the U.S. National Electrification Assessment, frames the discussion, but it's just the start."

APGA members are outside the purview of state commissions generally. Rates are made at the local level for munis except in Indiana. As you know, PHMSA delegates to states and those offices so oversee gas safety of munis.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Today's EEI/NRDC agreement
Date: Saturday, February 17, 2018 10:25:17 AM

As John points out, the NEMA publication isn't new; but the "electrify everything" tenor is.

Here is a link to the NRDC/EEI joint statement:

<https://www.nrdc.org/resources/nrdceei-joint-statement-state-utility-regulators>



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Today's EEI/NRDC agreement
Date: Monday, February 19, 2018 11:25:02 AM

Is anyone else considering going to the EPRI electrification conference?

If so, the price goes from \$495 to \$895 after February 28
<http://www.electrification2018.com/registration>

Also, the agenda shows 5 tracks. I can't cover them all.



[2-12-Agenda.pdf](#) 102 KB • [Download](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Today's EEI/NRDC agreement
Date: Friday, February 23, 2018 10:22:59 AM

Thanks everyone. I genuinely appreciate the support.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) The rise of electric cars could leave us with a big battery waste problem
Date: Friday, January 12, 2018 2:15:25 PM

We like to joke that so-called " clean energy is for the children." Well, apparently not Congolese children based on Tom's post :

[Child Miners Aged Four Living A Hell On Earth so YOU Can Drive An Electric Car](#)

On top of that problem, it turns out that the Congo has a near monopoly on cobalt according to this

[Congo May More Than Double Tax on Critical Cobalt Supply](#)

It appears the DNC ([Democratic Republic of the Congo](#)) is realizing they have fine cartel opportunity given they control "two-thirds of global cobalt supply, "



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) T&D spend has doubled
Date: Tuesday, March 13, 2018 9:40:27 AM

<https://www.eia.gov/todayinenergy/detail.php?id=34892>

Just got this link from EIA in response to my prodding on T&D costs...they recognize that AEO needs to be changed to include increasing T&D.



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From: [Mike Gundersen \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Summary of Yesterday's DOE Public Meeting on Improvements to the Process Rule
Date: Wednesday, January 10, 2018 4:54:38 PM

Thanks for the update!
We appreciate everyone's efforts advocating on behalf of APGA and our customers!
Keep up the Great Work and Safe Travels!

Thanks,
Mike Gundersen



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Summary of Yesterday's DOE Public Meeting on Improvements to the Process Rule
Date: Tuesday, January 16, 2018 12:19:10 PM

I've started drafting comments. I'm beginning by reviewing past comments.

Regulations.gov link to APGA's comments filed on Oct 13, 2011 isn't working.
<https://www.regulations.gov/document?D=EERE-2011-BT-STD-0011-0024>

I'd appreciate if someone else tries this link and let's me know if they fared any7 better.

Thanks

Mark



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From: [Barton Day \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Summary of Yesterday's DOE Public Meeting on Improvements to the Process Rule
Date: Tuesday, January 16, 2018 6:28:32 PM

I've been outlining suggested positions on some of the key issues discussed at DOE's public meeting on potential amendments to the process rule. Below are the points I have for DFRs and negotiated rulemaking. Again, these are outlines of the positions I suggest we take, not outlines of comments, per se. The point of the exercise is to develop a consensus as to the positions we should take on these issues, so please chime in.

Here goes:

- 1) The Regulations should address the use of direct final rules for the adoption of "joint recommendations." The regulations should clarify that:
 - a) The provisions for DFRs create an exception to notice and comment requirements, and – as such – must be narrowly construed. *Utility Solid Waste Activities Group v. EPA*, 236 F.3d 749, 754 (D.C. Cir. 2001) (exceptions to notice-and-comment rulemaking are "narrowly construed and only reluctantly countenanced").
 - b) The DFR procedure is designed only to eliminate *unnecessary* procedure, and should never be applied when there is a need for the purposes of notice and comment to be served. Accordingly, the procedure should not be employed unless – due to the absence of any material objection from interested parties – there appears to be no need "(1) to ensure that agency regulations are tested via exposure to diverse public comment, (2) to ensure fairness to affected parties, [or] (3) to give affected parties an opportunity to develop evidence in the record to support their objections to the rule and thereby enhance the quality of judicial review." *Small Refiner Lead Phase-Down Task Force v. EPA*, 705 F.2d 506, 547 (D.C. Cir. 1983).
 - c) Accordingly, the Regulations should state that:
 - i) The DFR procedure may not be *initiated* unless DOE determines that "joint recommendations" appear – based on the range of parties submitting the recommendations and appropriate due diligence – to represent a consensus to which there are no substantive objections; and
 - ii) A DFR must be withdrawn if any interested party submits comment stating substantive objections to the recommended outcome.

Note: We could argue that all interested parties must be fairly represented by the parties submitting a "joint recommendation," but – as suggested above – the real issue ought to be whether there are any substantive objections; if so,

prior notice and comment should be required, period. For that reason, the above approach makes the existence of a substantive objection – not representation or the fairness of representation – the dispositive factor. The test would simply be whether interested parties want to present information or argument challenging the recommended outcome (*not* whether the comment is likely to change the outcome of the rulemaking). In view of the relevant principles of administrative law, I think this is a reasonable way for DOE to interpret and apply the relevant statutory language, and I think it would address our concerns in a pretty simple and straight-forward way.

2) The Regulations should address negotiated rulemaking by specifying that:

a) Prior to commencing negotiated rulemaking, DOE shall provide notice – published in the Federal Register – that it is considering negotiated rulemaking. The notice shall allow a minimum of 30 days from publication for submission of comment, and shall:

i) Identify the range of products at issue;

ii) Request comment as to whether DOE should or should not proceed with negotiated rulemaking; and

iii) Solicit comment concerning the range of interests to be represented in the negotiations and nominations of individuals to serve on the negotiating committee.

b) Negotiations shall only be conducted through a committee that – as constituted throughout the course of negotiations – includes individuals providing balanced representation of relevant interests, including manufacturers of the products at issue, suppliers of the form of energy such products consume, and energy conservation advocates.

Note: This would make gas utilities necessary parties to any negotiated rulemaking for gas products.

c) Negotiating committees shall be chaired by a DOE official or a neutral facilitator at the option of the negotiating committee.

d) Prior to the initiation of any negotiations, DOE shall provide notice – published in the Federal Register – that it is initiating negotiated rulemaking. The notice shall:

i) Identify the range of products at issue;

ii) Identify an individual DOE contact for inquiries concerning the negotiated rulemaking; and

iii) Identify the individuals participating in the negotiations and the interests such individuals represent.

e) If negotiations produce a consensus agreement, DOE shall publish a notice in the Federal Register explaining the consensus agreement and requesting comment as to whether additional issues need to be addressed or whether DOE should either initiate the DFR procedure or issue a NOPR proposing to adopt the consensus agreement. The notice shall provide a minimum of 30 days from publication for the submission of comment.

Note: This approach would provide appropriate procedural protections to enhance transparency and ensure that there is appropriate representation of interested parties in any negotiated rulemaking. While the role of the ASRAC committee is not addressed directly, the procedural protections would impose some appropriate constraints.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Summary of Yesterday's DOE Public Meeting on Improvements to the Process Rule
Date: Wednesday, January 17, 2018 2:06:58 PM

The link is working today and I'm continuing my review and first draft.
In doing so, I'm comparing [DOE's RFI for the Process Rule issued on Halloween 2014](#) along side [the one issued on December 18th 2017](#)

Most of the main issues raised by both dockets remain the same. Like what should fairly mean, how should adverse comments be evaluated, etc.

My understanding of the Halloween 2014 RFI is that it was stipulated in the settlement agreement. But once DOE received comments, nothing else was required and nothing else happened.

Is this an accurate assessment (until Dec 18th 2018 at least)?



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Revised Opening Statement for DOE Public Meeting
Date: Thursday, January 4, 2018 4:02:39 PM

Some suggestions to simplify and clarify.

 [Draft opening comments for DOE public mtg 1 9 2018 Near Final Draft \(2\) MEK edits.docx 22.8 KB](#) • [Download](#)

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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Revised Opening Statement for DOE Public Meeting
Date: Sunday, January 7, 2018 12:01:26 PM

Attached is Spire's opening comments sent to 'Regulatory.Review@hq.doe.gov'
I suggest APGA's comments be sent there to hopefully ensure they become part of
the record at [regulations.gov for this docket](#)



[Spire Opening Statement for EERE_FRDOC_0001 public meeting.pdf](#) 195 KB • [Download](#)



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From: [Jim Hodges \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Revised Energy and Commerce Committee Testimony
Date: Tuesday, February 6, 2018 11:16:06 AM

Dan - The congressional piece on infrastructure etc. was very good. One point that isn't well understood is the magnitude of the natural gas delivery system. See AGA last item under "How was the challenge met" in this send out from them. Maybe we could edge that idea in the congressional piece somewhere.

Jim



[AGA Market Conditions January 2018.pdf 182 KB](#) • [Download](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Repeal of Section 433 of EISA
Date: Tuesday, March 6, 2018 2:10:24 PM

“*Where life-cycle cost effective*” means that the monetary savings of some energy efficiency thing must be greater than the cost of that thing over the estimated life of that thing. There are probably a dozen ways to manipulate these calculations. In order for this to have a chance of working, all inputs for determining “*life-cycle cost-effective*” need to be specified.

Maybe this is a slight improvement over Sec. 433; but what will we need to give up in order to get this? Please send me the latest version of the bill(s) and Sec 433 mark-up language so we can objectively, cooperatively and transparently evaluate all the pros and cons.



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From: [Daniel Lapato \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Repeal of Section 433 of EISA
Date: Tuesday, March 6, 2018 2:21:12 PM

Mark,

As soon as I have a complete draft I will post it. This post was intend to "keep" everyone in the loop. However, if we can get this language I believe it is a vast improvement over the banning of fossil fuel by 2030. In the end we will probably have to give up some percentage over the current ASHRAE standard as long as it is life-cycle cost effective.

I agree their is a dozen plus ways of determining what is life-cycle-cost-effective. I don't think we will get the specifics written into a law. That will be determined after the fact and would probably be dependent on the equipment and the building usage.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Reminder - Conference Call of the DUTG Scheduled for 3pm eastern time on Wednesday, February 21st
Date: Friday, February 16, 2018 10:25:18 AM

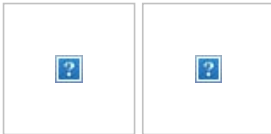
1. The ramifications of the EEI/NRDC pact and related events coming out of NARUC deserves a focused discussion.
[Today's EEI/NRDC agreement - APGA Direct-Use Task Group](#)
2. Some judge just ordered DOE to finalize the commercial boiler NOPR
http://www.philly.com/philly/wires/ap/news/20180215_ap_7d9e7052a49c410e9d8cb6f5ff25458e.html?mobi=true
and
<http://thehill.com/policy/energy-environment/374122-court-rules-energy-dept-must-implement-obama-efficiency-rules-it>
3. Continuation of Process Rule petition

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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Process Rule Comments Filed Today
Date: Tuesday, March 6, 2018 1:59:34 PM

I've reviewed all the "industry" comments. Some highlights follow:

- Sophie Miller's comments were outstanding. DUTG will especially appreciate her "peer review" section.
- The Joint Commenters (manufacturers) hold significantly different views of DFR and negotiated rule-making process. For example, at page 16:
The Joint Commenters do not see any unique weaknesses associated with direct final rules.
While different, I don't see our differences as insurmountable.
- APPA's comments were surprisingly in line with ours; including making the Process Rule mandatory.

So now what?



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From: [Arthur Corbin \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Process Rule Comments Filed Today
Date: Thursday, March 8, 2018 5:15:03 PM

I agree - excellent comments. Thank you DUTG Team!

As far as next steps, staff is seeing what they can learn from contacts with DOE and other stakeholders that might be helpful. This will be an item on the agenda for our next DUTG call.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Powerpoint slides from yesterday's Electrification Webinar
Date: Wednesday, March 21, 2018 4:51:32 PM

Can I get those as PPT's?



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Powerpoint slides from yesterday's Electrification Webinar
Date: Wednesday, March 21, 2018 5:05:32 PM

I just posted them on Basecamp. I'll also email them directly to you.



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From: [Daniel Lapato \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) OMB 2017 Draft Report to Congress on the Benefits and Costs of Federal Regulations
Date: Wednesday, February 28, 2018 10:04:13 AM

Mark,

This a hold over from the last Administration, the current Administration is not going to finalize it. At this point we should focus our efforts on changing the current process. Commenting on this now will only draw more unnecessary attention to a old draft report.



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From: [Tom Tanton \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) OMB 2017 Draft Report to Congress on the Benefits and Costs of Federal Regulations
Date: Wednesday, February 28, 2018 1:32:59 PM

My only concern is if somebody tries to use courts to force finalization, as it's a mandated report. Watch for a filing and be ready. Maybe strategic patience is in order.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) OMB 2017 Draft Report to Congress on the Benefits and Costs of Federal Regulations
Date: Wednesday, February 28, 2018 2:15:51 PM

I think all the rules listed in Table A-1 are final rules; so there is no going back. Also, the rule is listed as a draft: <https://www.whitehouse.gov/omb/information-regulatory-affairs/reports/#ORC>

But that's not my point. My concern is that this report represents the same old stuff. I guess I expected more out of Neomi Rao given the following:

<https://www.politico.com/interactives/2017/politico50/neomi-rao/>

Excerpt:

It's the "deconstruction of the administrative state," as White House chief strategist Steve Bannon famously [promised](#), and its leader is Neomi Rao, a law professor on leave from George Mason University who now is the director of the White House's Office of Information and Regulatory Affairs—also known as the country's regulatory czar.

<https://thinkprogress.org/meet-the-woman-trump-picked-to-lead-his-deconstruction-of-the-administrative-state-54b850ec19f2/>

OIRA also is supposed to oversee agency "data quality." I don't see it happening.



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From: [Daniel Lapato \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) OMB 2017 Draft Report to Congress on the Benefits and Costs of Federal Regulations
Date: Wednesday, February 28, 2018 2:31:05 PM

Mark,

I understand your concern. However, the report was published as required by law and was based on rules finalized on 2016. I don't think you should lose faith in Neomi Rao yet. I included the quote below to help ease your concerns.

"We are issuing this report after a change in Administration, and therefore would like to clarify that OMB's reporting of the results of these RIAs does not imply an endorsement by the current Administration of all of the assumptions made and analyses conducted at the time these regulations were finalized."

I do believe they are soliciting comments on future formats. This may be a good place to lean on some of you public policy and think tank organization to weigh-in.



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From: [Tom Tanton \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) OMB 2017 Draft Report to Congress on the Benefits and Costs of Federal Regulations
Date: Wednesday, February 28, 2018 2:45:10 PM

The comments made when issuing the report, while encouraging, hold as much weight as dicta in court decisions. In future, the report will be remembered and cited, not the comments. Best solution is to get NEW and improved report out.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) OMB 2017 Draft Report to Congress on the Benefits and Costs of Federal Regulations
Date: Wednesday, February 28, 2018 2:53:10 PM

OMB/OIRA issues to weigh-in on:

1. There is the issue on future formats of their benefit/cost report.
2. There is also the issue of OIRA's future role in "data quality" for the purpose of "deconstruction of the administrative state."
3. There is the role of allowing agencies to lobby Congress for more authority despite the [Anti-Lobbying Act](#). Case-in-point:
<https://energy.gov/articles/department-energy-requests-fast-track-rulemaking-implementing-energy-efficiency-standards>

I think that about covers it unless I'm missing something.



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From: [John Gregg \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) OMB 2017 Draft Report to Congress on the Benefits and Costs of Federal Regulations
Date: Thursday, March 1, 2018 11:02:21 AM

re the courts: because of its length and density, I did not post the 52-page decision of the federal judge here who is in the process of dismissing the case against Trump's Executive Order 13771, requiring federal agencies to eliminate two regulations for each one it added (as subsequently interpreted by the Office of Management and Budget). Public Citizen and other groups immediately sued to enjoin the Administration in federal court. This week Judge Randolph Moss ruled that he lacks jurisdiction to take action. He stopped short of dismissal to give the petitioners a chance to amend their complaint to clear the high hurdle in the law that requires a showing of actual harm, which the judge noted was nearly impossible given that there are no proposed rules formulated that detail the harm that they would address. He concluded essentially that in proving standing the petitioners could not prove what society was missing by new rules not moving forward because the new rules that would detail what they would accomplish have not been written. Sorta a catch-22.

The actual impact of the Executive Order is hard to gauge as the result for the most part has been no action across the board. How agencies are attempting to address the two-for-one proposition is hard to identify, but they must be doing internal analyses with OMB.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) OMB 2017 Draft Report to Congress on the Benefits and Costs of Federal Regulations
Date: Friday, March 2, 2018 11:07:14 AM

John:

Maybe I'm missing something. How is this an OMB issue and how should it concern us?

Back to my last post. I did come up with a 4th issue on my list: **The issue of discount rates.**

In 2015, IER's Robert Murphy posted an article about it here:

[OMB's Whitewash on the Social Cost of Carbon](#)

His main point is that the Inter-agency Working Group (IWG) should not have ignored the 7% discount rate as specified by OMB. He and I discussed it. I argued that 7% is still way too low. He argued that let's start with using 7%

Just last month, Master Resource took another look at it:

[Beware EPA 'Social Cost of Carbon' Models](#)

This time, the author agreed with me. BTW so does Sophie Miller and I've been making the same case since the 2011 DFR fiasco.

So now we have a list of 4 items we could bring up with OMB. Are there any others?



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) OMB 2017 Draft Report to Congress on the Benefits and Costs of Federal Regulations
Date: Wednesday, March 7, 2018 3:38:49 PM

Dan:

You said:

I do believe they are soliciting comments on future formats. This may be a good place to lean on some of you public policy and think tank organization to weigh-in.

And right you were:

<https://www.gpo.gov/fdsys/pkg/FR-2018-03-05/pdf/2018-04383.pdf>



[Draft 2017 Report to Congress on benefit costs of regulations.pdf 225 KB](#) • [Download](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) NREL (et. al.) Electrification Futures Study: End-Use Electric Technology Cost and Performance=0AProjections through 2050=0A
Date: Saturday, January 27, 2018 12:45:15 PM

My quick review:

I've reviewed it and have some initial observations below.

From the perspective of skillful technical propaganda, we should give them some credit. With the exception of the right side of the following illustration that shows present CO2 emissions, they focused on the economic justification for the sectors shown in this first of a multi part study.



[Subsector primary energy consumption and energy-related carbon dioxide emissions shares in 2015.png 83.2 KB • Download](#)

The authors findings are presented in terms akin to “Levelized Cost of Energy” (LCOE) in terms of a given market sector such as LCOD (where D stands for driving) and LCOS (where S stands for building energy Services such as heating, etc.).

Their findings also generally show that most “electrotechnologies’ don’t make for attractive economic investments now. But coupled with their LCOE projections (where E stands for electricity), they soon supposedly will. I expect the second report in this series will focus more on emissions.

Since the B in BECS stands for buildings, chapter 3 may be the most interesting. But don’t overlook chapter 1 (transportation; since BECS has apparently taken on NGV codes & standards) or chapter 4 (industry; which may be our last stronghold according to this study).

Back to chapter 3 , the following chart summarizes where things presently stand while the next chart summarizes where thigs are ostensibly headed:



[LCOS and percent of total LCOS by cost component in 2020 for the Moderate Advancement case.jpg 89.5 KB • Download](#)



[The evolution of the LCOS from heat pumps and natural gas-fired reference technologies for residential and commercial space and water heating.jpg 74 KB • Download](#)

The proverbial “bottom line” is they are in it for the long haul. Are we? So what now?

Please advise.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) NREL (et. al.) Electrification Futures Study: End-Use Electric Technology Cost and Performance=0AProjections through 2050=0A
Date: Friday, February 2, 2018 3:40:20 PM

In related news:

[Trump Wants To Cut Clean Energy Research Budget by 72%](#)

Which I think would be great since "clean energy" tends to exclude virtually all natural gas direct use since natural gas contains some carbon and carbon is as unclean (with the possible token and limited exception of CHP).

But unfortunately, Congress (who doesn't seem to know or care that there are alternatives to electricity) probably won't let such funding cut happen. Yeah, there will probably be some budget cuts; but not deep cuts.

So, any one else want to predict?



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) NREL (et. al.) Electrification Futures Study: End-Use Electric Technology Cost and Performance=0AProjections through 2050=0A
Date: Friday, February 2, 2018 3:53:06 PM

I predict they will actually increase funding, but less than inflation so they will call it a cut...only in D.C. is an increase called a cut.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) NREL (et. al.) Electrification Futures Study: End-Use Electric Technology Cost and Performance=0AProjections through 2050=0A
Date: Friday, February 2, 2018 4:14:01 PM

Note that Trump's proposed cuts include eliminating DOE's [Weatherization Assistance Program](#). I recognize there are strong opinions about this but I think that will not make it through Congress; not entirely at least. And to the extent it does, such cuts should be weighed against the benefits of deflating the sails of "clean energy."



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Next DUTG Conference Call
Date: Thursday, January 18, 2018 3:55:59 PM

Request you put discussion of the following on it so we can at least try to get better recognition of natural gas direct use:

Energy Resiliency Bills Discussed in Congress

By [Dan Lapato](#) posted 4 hours ago

As 2018 begins to kick into high gear, we are starting to see more energy bills being discussed, specifically natural gas related legislation. Below are two pieces of legislation that are being discussed. Please take a look at the bills and contact APGA if you have any comments or if we should support, oppose or stay neutral. As 2018 begins to kick into high gear, we are starting to see more energy bills being discussed, specifically natural gas related legislation. Below are two pieces of legislation that are being discussed. Please take a look at the bills and contact APGA if you have any comments or if we should support, oppose or stay neutral.

1. Improving Energy Grid Resilience Act Senate Bill: This bill is being drafted by Senator Shaheen (D-N.H.), but has not been published. The bill addresses several key areas;

- Requires the federal government to prepare an “After-Action” report on Hurricanes Harvey, Irma and Maria regarding energy emergencies, energy resiliency, and mitigation actions that could lessen the impact of future energy system disruptions;
- Conduct regional energy emergency preparedness exercises—what is different with this proposal is this is the first time natural gas providers will be included in the exercise; and,
- Develop an energy resilience pilot program—once again what is unique is the use of natural gas systems as referenced several times has something should be considered when developing state and multi-state energy resiliency programs.

2. Hospital Energy Conservation Act House Bill 4788 (H.R. 4788): This bill has been introduced by Congressman Engel (D-N.Y.) and it directs the Department of Energy (DOE) to establish a pilot grant and loan guarantees program for hospitals for energy efficiency and **encouraging onsite power** generation and energy storage, capable of operating independent of the grid, and providing sufficient onsite emergency backup power for essential hospital functions. Read [House Bill 4788 \(H.R. 4788\)](#).

For questions on this article, please contact Dan Lapato of APGA staff by phone at 202-464-2742 or by email at dlapato@apga.org.



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From: [Daniel Lapato \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Next DUTG Conference Call
Date: Thursday, January 18, 2018 4:46:50 PM

Mark,

Overall, with Congress coming back from the holidays and preparing for elections we are going to see more energy related bills being introduced in both the House and the Senate. So this will be an evolving conversations.

The Shaheen language is really a retrospective look at the hurricanes and their impact on the energy infrastructure. Most past calls for "after-action" reports were narrowly focused on the electrical grid. The difference is now they want to expand the scope and look at the grid, natural gas infrastructure as well as liquid fuels. The language also includes a resiliency exercise and a resiliency pilot program. Again neither are new ideas, however what is new is the inclusion of the use of natural gas.

The reference to natural gas is broad and will take into account both the direct use and the use for (both macro and micro) generation of electricity.

The Engel language is a straight forward grant/loan program to help Hospitals improve energy efficiency and deploy on-site energy generation. It is open to all forms on energy generation but from a practical standpoint it will be used to deploy more CHP and possibly fuel cell technology.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Next DUTG Conference Call
Date: Monday, January 22, 2018 4:37:13 PM

PS:
There is an overlap with AGA's Electrification Impact Assessment Study (EIAS) Steering Committee WebEx Meeting #5

It goes from 2 to 3:30 eastern. Can you adjust the time for the DUTG call?



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) New York State will propose the establishment of their own appliance efficiency standards
Date: Thursday, January 4, 2018 10:48:25 AM

In related news:

[America's power grid shows signs of strain amid deep freeze](#)

And yet they're still intent on electrifying everything possible.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) New Alliance to Save Energy report
Date: Tuesday, March 13, 2018 11:28:51 AM

Sue Tierney is cited in the ASE press release listed above as follows:

- *Dr. Susan Tierney, a senior advisor at the Analysis Group and former state utility regulator and former assistant secretary for policy at the U.S. Department of Energy, who also participated in the Initiative, said: “This is an important and valuable step in a difficult conversation about change in the electric industry, with enormous upside potential for energy efficiency and affordable energy bills. We need to work together to reach a future where electricity is more reliable, more efficient, and has dramatically reduced carbon impacts. Many of our existing utility rate structures were built for a century-old paradigm of cheap, inefficient and fossil-intensive energy use, and they simply won’t get us where we need to go.”*

Here is another [Tierney quote from an earlier Utility Dive Article](#) that serves to bring it all into focus:

- *All this carbon cutting could result in a windfall for the power sector,” said Sue Tierney, a principal at the Analysis Group. In her analysis of more than four dozen studies on deep decarbonization, she found that some anticipate that “electricity demand will have essentially doubled compared to where it is today as a result of those changes.”*



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) New Alliance to Save Energy report
Date: Tuesday, March 13, 2018 2:16:31 PM

Demand charge on all residential customers...yikes...force people to pay whether they use energy or not. Could get ugly when I tell my wife not to use her hair dryer if the A/C is running. Sophisticated customers will employ logic to limit max usage...prevent major appliances from simultaneously running. Low income customers will take it on the chin. They won't have a Nest thermostat that can control appliances. Older and lower income customers will subsidize rich people that buy technology and electric vehicles...with large subsidies of course.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) New Alliance to Save Energy report
Date: Tuesday, March 13, 2018 2:20:37 PM

Don't worry: EPRI is working on a "smart" hair dryer. And GTI is responding with a gas hair dryer. ;-)



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From: [Tom Tanton \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) New Alliance to Save Energy report
Date: Tuesday, March 13, 2018 2:58:52 PM

"force people to pay whether they use energy or not" is just to balance paying folks like wind energy whether they produce or not. Symmetry, we need symmetry.



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From: [Chuck Warrington \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) May in-person Meeting of the DUTG
Date: Friday, March 16, 2018 11:39:09 AM

But, Dave --- We visit Congressmembers/Senators on Wed afternoon???

Chuck



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From: [Chuck Warrington \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) May in-person Meeting of the DUTG
Date: Friday, March 16, 2018 11:41:17 AM

I guess we concentrate on Tuesday afternoon & then e can do DUTG on Wednesday. Is that your thinking?

Chuck



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) May in-person Meeting of the DUTG
Date: Friday, March 16, 2018 11:48:12 AM

Chuck, the thought was that our members could hopefully cover a lot of their Hill meetings Tuesday afternoon. But you are right that this would be a conflict for those that have meetings on Wednesday. Dave



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) May in-person Meeting of the DUTG
Date: Friday, March 16, 2018 12:19:27 PM

So are you going to change dates or no?



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) May in-person Meeting of the DUTG
Date: Friday, March 16, 2018 1:42:19 PM

Mark, the plan is to still hold the meeting in DC on the 9th.

Dave Schryver
Executive Vice President
American Public Gas Association
201 Massachusetts Avenue, NE, Suite C-4
Washington, DC 20002
202-464-0835

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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) May in-person Meeting of the DUTG
Date: Friday, March 16, 2018 2:13:29 PM

Thanks. I'll proceed accordingly with flights.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) May in-person Meeting of the DUTG
Date: Tuesday, March 20, 2018 2:35:52 PM

Dave: Is there going to be a night before dinner this time?



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) May in-person Meeting of the DUTG
Date: Tuesday, March 20, 2018 2:40:24 PM

Mark, on Tuesday night there will be a reception in the Senate Agriculture Committee hearing room so at this point I don't believe there will be a dinner but let me confirm that. I'll post the details on the reception to Basecamp shortly. As we have done in the past, we are encouraging everyone to invite the energy staffers from their House and Senate offices as well as the members themselves.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) House Energy and Commerce Committee hearing on DOE restructuring
Date: Monday, January 8, 2018 12:10:56 PM

Can APGA have someone monitor this?

One of the House staffers asked Tom and I to pose some questions; which we did.



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) House Energy and Commerce Committee hearing on DOE restructuring
Date: Monday, January 8, 2018 12:13:09 PM

Mark, Doug is going to cover the hearing. He has been talking with E&C Committee staff and has provided them with some background materials.

Dave Schryver
Executive Vice President
American Public Gas Association
201 Massachusetts Avenue, NE, Suite C-4
Washington, DC 20002
202-464-0835

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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) House Energy and Commerce Committee hearing on DOE restructuring
Date: Monday, January 8, 2018 12:16:16 PM

Good. I just sent you and Doug what we sent.



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) GTI UTD Meeting
Date: Tuesday, March 27, 2018 4:58:45 PM

That is a great dissertation on why electrification makes no sense at all. Need to figure out how to spread the word to counteract the tidal wave of electrification zealots that never mention what it will cost.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) GTI UTD Meeting
Date: Tuesday, March 27, 2018 8:38:29 PM

First we need to figure that out for ourselves.

BTW: Neil Leslie was here yesterday making a presentation about the same subject as the WGC paper to Spire execs.

Anyway, one of the questions we got from one Sr. VP is what it would cost to “electrify everything.” Of course, it depends on what you’re starting with (i.e., what you’re replacing) and what you’re replacing it with to provide peak electric generating requirements, etc., etc., etc.

So again; we need to figure that out. We have the talent right here to do it.

The electrification zealots are already saying it will be negligible. (see: [Policy Implications of Deep Decarbonization in the United States](#)). Why, because Lazard says so?

Figure 7. Average Household Spending for Energy Goods and Services, 2050 Mixed Case



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Full Committee Hearing to Examine the Performance of the Electric Power System Under Certain Weather Conditions
Date: Monday, January 22, 2018 11:16:46 AM

Mark, the Energy Committee is still holding the hearing. Given the focus of the hearing (on the electric power system in the Northeast and mid-Atlantic) I had not thought about APGA submitting testimony. Let me talk to Dan and Doug about it.
Dave

Dave Schryver
Executive Vice President
American Public Gas Association
201 Massachusetts Avenue, NE, Suite C-4
Washington, DC 20002
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From: [Tom Tanton \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Full Committee Hearing to Examine the Performance of the Electric Power System Under Certain Weather Conditions
Date: Monday, January 22, 2018 11:43:11 AM

I think it's fair to say the hearing is focus on electric grid resiliency, but that it shouldn't be. Pointing out the broader solutions (NG) to the kind of issues faced by a grid in the face of events like the cold snap is good public service, even though you may have to comment about electric's getting to rate base t-lines.



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From: [Daniel Lapato \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Full Committee Hearing to Examine the Performance of the Electric Power System Under Certain Weather Conditions
Date: Monday, January 22, 2018 11:55:30 AM

The concept of including the direct use of natural gas when reviewing the electrical grid is still fairly unknown to many policymakers. To me we should use this hearing as an opportunity to meet with Senate staff to discuss the concept of "energy reliability" not just "grid reliability." I would prefer to introduce this concept (along with our LCOE work) during a dialogue with staffers. This will allow us to manage "first impressions."



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From: [John Gregg \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) FTC Proposal to Update Furnace EnergyGuide Labels
Date: Thursday, February 22, 2018 5:59:10 PM

Attached is the Final Rule printed today in the FR. The FTC found APGA's comments about source-based energy and marginal costs beyond the scope of the proceeding but said it would think about them and talk to DOE staff.



[FINAL RULE FTC Energy Labeling.PDF 3.04 MB](#) • [Download](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) From White House: The plan to rebuild rural America
Date: Wednesday, February 21, 2018 11:44:12 AM

Also see:

[Secretary Perdue: "Rural America will see major benefits from Trump's infrastructure plan"](#)

Excerpt:

*In my nine months in office, I have traveled to 33 states, including Iowa, taking a hard look at the challenges and opportunities in rural communities and hearing from rural citizens. At every stop, I heard about the dire need to expand broadband access, rebuild aging roads and bridges, provide clean water, and **supply affordable, reliable power.***

Note that the Rural Electrification Administration (now called the [Rural Utilities Service](#)) is under the USDA. Here is their mission:

Utilities programs connect rural residents to the global economy by:

- 1. Increasing access to broadband and 21st century telecommunications services;*
- 2. **Funding sustainable renewable energy development and conservation;***
- 3. **Financing reliable and affordable electric systems;***
- 4. **Working to integrate electric smart grid technologies;***
- 5. Developing reliable and affordable rural water and wastewater systems.*

A few years back, RUS was funding gas to electric fuel switching because it reduced carbon at the point of use. I don't know the status of that program at present. Regardless, natural gas is apparently not qualified for anything. If anyone else knows anything else, please advise.



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From: [Daniel Lapato \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) From White House: The plan to rebuild rural America
Date: Wednesday, February 21, 2018 12:25:38 PM

Mark, you quoted RUS's mission under the last administration. NAURC produced a bipartisan report outlining the need to expand the direct use of natural gas into rural communities. It referenced a lot of the various state level efforts. These "last mile" programs have gain a lot of traction on the hill.

I do not want to understate the amount of leverage the co-ops have with USDA. We will need to slow chip away at that influence but it will be a multi-year effort. Our first step will be in the farm bill.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) From White House: The plan to rebuild rural America
Date: Wednesday, February 21, 2018 12:43:42 PM

I quoted the RUS mission as it is presently shown via the link provided.

I'm very aware of the relationship between the electric co-ops and the USDA. It's a legacy of the REA. I'm also aware of the NARUC activities. AGA magazine's interview with NARUC's president just discussed it: [Cover Story: Charting the Right Course](#). Unfortunately, that was about as close as the interview came to discussing natural gas direct use.

My point is neither of the above documents mentioned the need to expand the direct use of natural gas into rural communities. Maybe the monies directed to the States will have some flexibility; but we will probably have to fight for any of it.

If you follow the interview link, also check out the the [President's Message: Thinking Ahead](#). I won't spoil the surprise.



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To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) From White House: The plan to rebuild rural America
Date: Wednesday, February 21, 2018 12:55:00 PM

For further reading:

[Energy Mischief at the Rural Utilities Services \(USDA\): Climate Hubs, Efficiency Mandates, Fuel Switching Rules](#)



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Electricity from all forms of renewables will be consistently cheaper than fossil fuels by 2020
Date: Friday, March 30, 2018 1:11:11 PM

On one hand they say it is cheaper...on the other hand they say its value drops in half at 15% penetration...you can't have it both ways. The more you get, the less valuable it is...and the more natgas you need to support it.

But...it is cheaper! Why? Because they say it is!



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Electricity from all forms of renewables will be consistently cheaper than fossil fuels by 2020
Date: Friday, March 30, 2018 1:51:17 PM

Because Lazard says it is. Everybody who advocates “clean energy” regurgitates [Lazard’s LCOE](#) propaganda as gospel. It’s also the basis of Missouri’s state energy plan (despite our objections). That’s why we got this done:
<https://www.apga.org/resources/lcoe>

Now, we need to work on more comprehensively developing our estimates on what electrification might actually cost the American economy before our politicians and regulators “bet the farm” on it like this would have done:
https://unfccc.int/files/focus/long-term_strategies/application/pdf/us_mid_century_strategy.pdf

Spire's 2nd in command asked this last Monday during Neil's presentation. It is a complex but very astute question that we've only been able to roughly guesstimate as follows: Capital only cost (for capacity + T&D) are roughly \$5 trillion ± several trillion. This does not include fuel or o&m. Full "deep decarbonization" could be several times that.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Electricity from all forms of renewables will be consistently cheaper than fossil fuels by 2020
Date: Friday, March 30, 2018 1:54:49 PM

PS: And that's only on the electric utility side of the equation. Consumers will also incur on-site costs for changing electric appliances, service panels and wiring. These costs differ greatly between existing construction and new construction. Electrification policies jeopardizes future new gas connections; especially in the South.



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From: [John Gregg \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Electricity from all forms of renewables will be consistently cheaper than fossil fuels by 2020
Date: Friday, March 30, 2018 5:51:38 PM

US power grid can run well no matter what fuels it uses

"Variable resources can be reliably integrated, but they need to be cautiously planned and operated," John Moura, director of reliability assessment and system analysis at North American Electric Reliability Corp., said March 28 at an event hosted by the US Energy Association. "You can have 30, 40, 80% renewable resources, you just have to plan and operate the system correctly."

Bloomberg New Energy Finance, a research firm, said March 28 that falling costs and improved efficiency are making wind, solar and battery technologies viable alternatives to fossil fuel plants for bulk power generation, dispatchable power and flexibility.

"From a reliability perspective, what I can say is [energy storage] tears down that whole concept of having to simultaneously match demand and supply," Moura said. "And so if you take away that assumption, now you've got a lot more flexibility in your system."



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From: [Tom Tanton \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Electricity from all forms of renewables will be consistently cheaper than fossil fuels by 2020
Date: Friday, March 30, 2018 6:02:42 PM

Did he say anything about the cost of that storage?



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To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Electricity from all forms of renewables will be consistently cheaper than fossil fuels by 2020
Date: Saturday, March 31, 2018 4:44:23 PM

Did he say anything about how battery storage reacts to extreme ambient temperatures?



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From: [Tom Tanton \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Electricity from all forms of renewables will be consistently cheaper than fossil fuels by 2020
Date: Saturday, March 31, 2018 6:27:54 PM

just add a gas fired furnace to the battery room and all's good...



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Electric Rate Increases
Date: Monday, March 19, 2018 1:56:14 PM

Interesting and useful stuff there. I don't have access to WSJ, so I don't know if it's discussion was limited to gas as a fuel input for electric generation.

This article came out on Friday and was limited to gas as as a fuel input for electric generation. Also on Friday the Energy Solutions Center hosted the webinar shown below. For IOU's at least, lets hope this message does not indoctrinate stock analysts.



[CPUC_Moratorium_for_ESC_031618.pdf](#) 1.21 MB • [Download](#)



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Electric Rate Increases
Date: Monday, March 19, 2018 2:38:56 PM

One more pic...average res electric rates in 2017.



[image.png](#) 479 KB • [Download](#)



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) EERE propaganda of the day
Date: Tuesday, March 27, 2018 1:00:27 PM

I was at a BTO natgas R&D meeting last year and I believe we made an impact. I agree that we need people to be at the peer review. One of the BTO complaints was that they don't have anybody bringing them natural gas R&D projects for them to fund. If we are not there, it will definitely be electro centric. Dan Lapato was there...City of Philadelphia...GTI...some of the HVAC companies. I believe we helped guide the discussion toward natural gas.



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From: [Ted Williams \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) EERE propaganda of the day
Date: Thursday, March 29, 2018 8:00:44 AM

We need to discuss this. We have a number of critical research items, two of which AGA is "going it alone" and funding itself (with some expectation of some cofunding from a standards organization for one of the topics.

One of the critical problems with DOE is that at the workshop last year (the one immediately after the AGA BECS Committee meeting in Denver), we received a list of "research topics" that included no identification of research issues or proposed plans. That is to say, R&D on "gas-fired heat pumps" is not a substantive research recommendation. With that level of ambiguity on how BTO ought to spend money, they've provided themselves plenty of cover for claiming that the industry isn't helping much.



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From: [Daniel Lapato \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) EERE propaganda of the day
Date: Thursday, March 29, 2018 8:27:41 AM

I agree to a point. At that meeting we were there to discuss the needs of our industry. There were a lot of manufactures and GTI in the room. When we said additional R&D on "gas-fired heat pumps," it was said with stone mountain manufacture in the room. I would like to note, as a result of the that meeting DOE has already begun to work on self lighting pilots (which is one of APGA's highest needs).

On multiply occasions, DOE has remarked that they are looking to invest in improving natural gas equipment. However, it is a proposal driven process.

To be fair our industry has a limited research capacity, we have GTI and maybe 2-3 investor owned utilities with research capabilities. These groups can only do so much.

Antonio M. Bouza, the author of the "propaganda" has been and continues to be a supporter of natural gas equipment research.



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From: [Doug MacGillivray \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) EERE propaganda of the day
Date: Thursday, March 29, 2018 8:53:14 AM

Per the "ambiguity," that comes with how appropriations bills are written. Outside defense spending, most general discretionary spending (including research) contains little in the actual legislative language that constrains what it should be spent on.

APGA helped draft and is circulating a letter outlining our R&D priorities, including language that should be included in the conference report language. While not binding, this language helps define Congress' priorities and is the best bet to get spending better directed.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) EERE propaganda of the day
Date: Thursday, March 29, 2018 9:21:05 AM

I urge **everyone** to follow the links in the opening thread. The content is about "Grid 101" R&D. That should be a clue and not overlooked. The meeting is about peer review of that R&D. As such, it will likely be a gathering of EERE 's well funded "clean energy" loyalists telling EERE what an outstanding job EERE is doing. Is that what we think peer review should be?

Regarding the letter APGA helped draft, was that vetted through the DUTG?



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From: [Daniel Lapato \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) EERE propaganda of the day
Date: Thursday, March 29, 2018 9:52:35 AM

The information and our research needs is something the DUTG, APGA's Codes and Standards Committee and the APGA's Research Foundation all have discussed at various times.

Our principle research ask have been well vetted. They are the basis for our last 3 appropriations request that the DUTG and APGA overwhelming supported. The most recent appropriation request letter, which is a joint effort between APGA, AGA, NGVamerica and GTI has been a standing agenda item on our calls for the last several months.

I agree, natural gas utilities should be represented. Especially considering DOE has finally include the gas infrastructure as part of the conversation. It should be noted for this peer review there are 2 utility grids, and electrical grid and the natural gas grid.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) EERE propaganda of the day
Date: Thursday, March 29, 2018 10:07:55 AM

You wouldn't know there are 2 grids by the Bouza article.

Please post the present letter so we can all see its present form.



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From: [Doug MacGillivray \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) EERE propaganda of the day
Date: Thursday, March 29, 2018 10:16:04 AM

As requested



[Natural Gas R&D Letter- SAC EW FY19 Final2.pdf 469 KB](#) • [Download](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) EERE propaganda of the day
Date: Thursday, March 29, 2018 10:38:30 AM

Thanks for posting; albeit belatedly. Who put this in?

Fossil Energy, Supercritical, Transformational Electric Power Initiative
Request: \$24,000,000 –STEP Program



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From: [Daniel Lapato \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) EERE propaganda of the day
Date: Thursday, March 29, 2018 10:52:30 AM

Mark, with all do respect. Dave Schryver sent a memo asking for input on our this letter on February 26th.

That is a GTI project that is looking to make turbine technology more efficient. It will make natural gas turbines and CHP units more efficient.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) EERE propaganda of the day
Date: Thursday, March 29, 2018 11:20:36 AM

I went to my inbox and see you're correct. I also saw a House letter. Did that go out?



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From: [Doug MacGillivray \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) EERE propaganda of the day
Date: Thursday, March 29, 2018 11:21:21 AM

It did. They are identical.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) EERE propaganda of the day
Date: Thursday, March 29, 2018 11:23:15 AM

Please post it too.



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From: [Doug MacGillivray \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) EERE propaganda of the day
Date: Thursday, March 29, 2018 11:23:25 AM



[Natural Gas RD Letter- HAC EW FY19 - Final2.pdf 476 KB](#) • [Download](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) EERE propaganda of the day
Date: Thursday, March 29, 2018 11:29:27 AM

This doesn't sound like CHP to me:
"large scale supercritical carbon dioxide power conversion systems."

But were getting off-track. Back to the Bouza article and "peer review" meeting;
who should go?



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Process Rule Comments
Date: Tuesday, February 20, 2018 11:30:18 AM

A **very** good job. Spire will need to add a sentence in its comments that we endorse your joint comments.

I did do some minor editing, mainly removing excess space between words and the like per the attached:

 [APGA-AGA Process Rule RFI Comments - Draft MK edits.docx 39.3 KB](#) • [Download](#)

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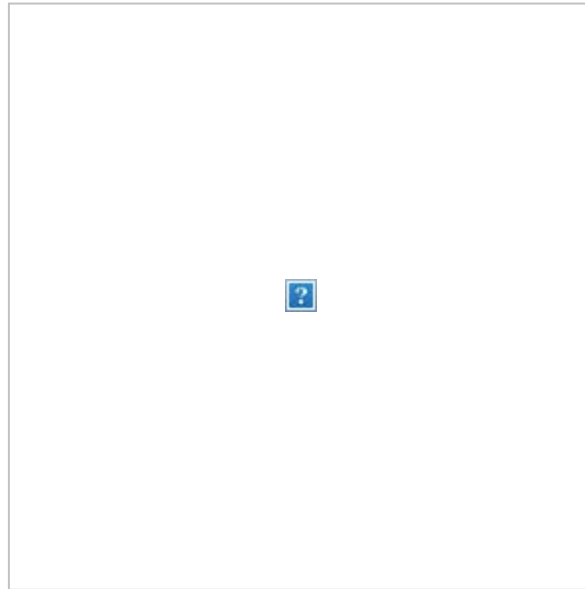
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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Process Rule Comments
Date: Tuesday, February 20, 2018 2:44:35 PM

This just in:

|



Building Technologies Office DOE Issues a Comment Period Extension Pertaining to the Request for Information for the Energy Conservation Standards Program

| The U.S. Department of Energy (DOE) has issued a [pre-publication](#) *Federal Register* notice extending the comment period pertaining to the RFI that was [published](#) on November 28, 2017, seeking comments from interested parties to assist DOE in evaluating the potential advantages and disadvantages of additional flexibilities in the U.S Appliance and Equipment Energy Conservation Standards program. The comment period has been extended until March 26, 2018. DOE requests and will accept comments, data, and information in response to this ECS RFI until March 26, 2018. Interested persons are encouraged to submit comments using the Federal eRulemaking Portal at <http://www.regulations.gov>. Alternatively, interested persons may submit comments, identified by docket number EERE-2017-BT-STD-0059, by Email (ProgramDesign2017STD0059@ee.doe.gov), postal mail, or hand delivery/courier. DOE welcomes written comments from the public on any subject within the scope of this document (including topics not raised in this request for information).



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Process Rule Comments
Date: Wednesday, February 21, 2018 9:52:39 AM

PS:

I may have confused people by posting this extension notice here. This extension notice of for the other RFI.

Sorry 'bout that.

But I'm glad for the extension. It saves me the trouble. Why?

Because we shouldn't be entertaining giving ECS any more "flexibility" as long as the rule part of the Process Rule is a joke.



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From: [Daniel Lapato \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Process Rule Comments
Date: Wednesday, February 21, 2018 10:03:35 AM

Mark,

As mentioned in the notice both EEI and the manufactures were looking for more time to develop comments. None of these groups like this concept and will be developing critical comments.

I recommend the DUTG and APGA continue with our initial strategy of letting other association dissect this proposal while we focus on redrafting the current rulemaking process. I recommend our comments;

- 1) thank DOE for recognizing the need to change the way energy efficiency standards are developed,
- 2) outline a few points how DOE has misused their "flexibility" in the past, and 3) offer a high level over of our process rule comments.

This proposal is being endorsed by Administrative forces outside of DOE. Because of that, let other organizations shoot down this proposal while we offer positive changes.



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From: [Sue Kristjansson \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Process Rule Comments
Date: Wednesday, February 21, 2018 2:03:49 PM

Great comments overall. I added my edits to Mark's document so the chain can continue.

I will say I've never had to look up so many words in one sitting before....the Google is tired. I am a big proponent of simplicity in language but that is just my preference. What can I say, I'm a simple gal.


I've made edits to some content and also added some comments on the side when I felt like my changes may change the meaning of the passage.

And the one area regarding "relevant point of view", I did not make any edits but I did note that it is a bit confusing to follow because of the frequency of reference to "relevant point of view". Not sure how to correct that though.

Take it for what it's worth....

Thanks all for the opportunity to review.

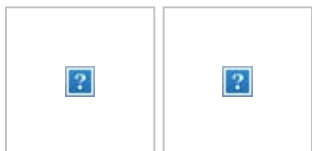
 [SK MK edits APGA-AGA Process Rule RFI Comments - Draft \(1\).docx 47 KB](#) • [Download](#)

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From: [Sasha Benjamin \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Process Rule Comments
Date: Thursday, February 22, 2018 11:06:32 AM

Can we remove "hot" from hot water heater? It may only be a pet peeve of mine but it seems a bit redundant.



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From: [Sasha Benjamin \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Process Rule Comments
Date: Thursday, February 22, 2018 11:06:32 AM

Can we remove "hot" from hot water heater? It may only be a pet peeve of mine but it seems a bit redundant.



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Process Rule Comments
Date: Thursday, February 22, 2018 11:14:26 AM

I've never seen a cold water heater...let me know if you find one. Ranks right up there with soft rock, working vacation and crash landing on the oxymoron list.



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From: [Jim Hodges \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Process Rule Comments
Date: Thursday, February 22, 2018 11:45:15 AM

Good catch! If it is hot water you don't need a heater.

Jim



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From: [Arthur Corbin \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Process Rule Comments
Date: Saturday, February 24, 2018 4:21:54 PM

Very good comments! Attached are my edits on top of Mark's and Sue's. Some of my comments will be associated with "Owner" since I started on them at my office but finished them today on my home computer. I apologize for any confusion and hope that my edits are helpful.

 [AC SK MK edits APGA-AGA Process Rule RFI Comments - Draft \(1\).docx 64.8 KB](#) • [Download](#)

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From: [Arthur Corbin \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Minutes from Last Week's DUTG Conference Call
Date: Thursday, March 8, 2018 5:06:35 PM

Dave,
The draft minutes for our February call look good. I have no edits.

Thanks!



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From: [Sue Kristjansson \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Comments for DOE Public Meeting
Date: Wednesday, January 3, 2018 4:00:22 PM

My edits. I've attached both the redline version as well as a clean version for ease of review. Just my two-cents.

 [SK Redline Draft opening comments for DOE public mtg 1 9 2018 Revised.docx 21.5 KB](#) • [Download](#)

 [SK Clean v2 Draft opening comments for DOE public mtg 1 9 2018 Revised.docx 19 KB](#) • [Download](#)

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From: [Erin Kurilla \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Comments for DOE Public Meeting
Date: Wednesday, January 3, 2018 4:00:34 PM

All - I did a quick read as an "outsider" to see if I could offer any suggestions. One thing that caught my attention is the concept that I've heard you all talk about frequently, "'winners and losers' when establishing standards." I'm unsure how you are using this phrase. Sometimes it seems as though you are using it in reference to energy sources that either benefit or are negatively impacted by standards, i.e. gas vs. coal electric vs. nuclear electric. While other times it seem as though you are using it to mean that various individuals are winning or losing because of standard change. Either way, I think there's an opportunity to provide a bit more color around that statement to ensure that your key message is understood by all. Its a great catch phrase, just make sure people know how you are using it.

Otherwise it looks great & I like Sue's edits. Good luck Arthur!



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From: [Barton Day \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Comments for DOE Public Meeting
Date: Wednesday, January 3, 2018 6:13:12 PM

We can argue that LCC analysis needs to be much more credible, but I believe that LCC analysis is required by statute (and thus could not be eliminated in favor of a simple payback analysis).



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From: [Arthur Corbin \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Comments for DOE Public Meeting
Date: Thursday, January 4, 2018 10:02:36 AM

Barton,
I searched EPCA for life cycle cost, life cycle cost analysis or LCC and found none. I believe the law only requires "technologically feasible and economically justified". If this is not right, please point us to the right place in the law.

Thanks!
Arthur



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From: [Arthur Corbin \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Comments for DOE Public Meeting
Date: Thursday, January 4, 2018 10:04:40 AM

Thank you Sue and Erin for your comments!!



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From: [Barton Day \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Comments for DOE Public Meeting
Date: Thursday, January 4, 2018 12:04:56 PM

Arthur –

This illustrates the hazards of word searches.

The statute requires LCC analysis, but it doesn't use the term "lifecycle cost" (or "LCC"). That term is simply DOE's short-hand description of the analysis required under 42 U.S.C. § 6295(o)(2)(B)(II), as specified in the highlighted statutory language below:

(o) Criteria for prescribing new or amended standards

(2)(B)

(i) In determining whether a standard is economically justified, the Secretary shall, after receiving views and comments furnished with respect to the proposed standard, determine whether the benefits of the standard exceed its burdens by, to the greatest extent practicable, considering—

(I) the economic impact of the standard on the manufacturers and on the consumers of the products subject to such standard;

(II) the savings in operating costs throughout the estimated average life of the covered product in the type (or class) compared to any increase in the price of, or in the initial charges for, or maintenance expenses of, the covered products which are likely to result from the imposition of the standard;

(III) the total projected amount of energy, or as applicable, water, savings likely to result directly from the imposition of the standard;

(IV) any lessening of the utility or the performance of the covered products likely to result from the imposition of the standard;

(V) the impact of any lessening of competition, as determined in writing by the Attorney General, that is likely to result from the imposition of the standard;

(VI) the need for national energy and water conservation; and

(VII) other factors the Secretary considers relevant.

Unfortunately, this requirement for a product lifecycle cost analysis is particularly important, because – when DOE has to consider amendment of existing standards – that analysis becomes the sole measure of the cost-effectiveness of a standard for that purpose. The relevant statutory provisions fit together as follows.

DOE is required to consider whether new standards need to be amended based on criteria specified in 42 U.S.C. § 6295(n)(2):

42 U.S.C. § 6295(m) Amendment of standards

(1) In general

Not later than 6 years after issuance of any final rule establishing or amending a

standard, as required for a product under this part, the Secretary shall publish—
(A) a notice of the determination of the Secretary that standards for the product do not need to be amended, **based on the criteria established under subsection (n)(2)**; or
(B) a notice of proposed rulemaking including new proposed standards based on the criteria established under subsection (o) and the procedures established under subsection (p).

The criteria in 42 U.S.C. § 6295(n)(2) reduces the issue of the cost-effectiveness of a standard to consideration of lifecycle costs as specified in 42 U.S.C. § 6295(o)(2)(B)(i)(II):

(n) Petition for amended standard

(1) With respect to each covered product described in paragraphs (1) through (11), and in paragraphs (13) and (14) of section 6292(a) of this title, any person may petition the Secretary to conduct a rulemaking to determine for a covered product if the standards contained either in the last final rule required under subsections (b) through (i) of this section or in a final rule published under this section should be amended.

(2) The Secretary shall grant a petition if he finds that it contains evidence which, assuming no other evidence were considered, provides an adequate basis for amending the standards under the following criteria—

(A) amended standards will result in significant conservation of energy;

(B) amended standards are technologically feasible; and

(C) **amended standards are cost effective as described in subsection (o)(2)(B)(i)(II).**

If DOE decides that it needs to proceed with standards development, LCC analysis once again becomes part of the broader analysis under 42 U.S.C. § 6295(o)(2) (quoted above).

I think there are other relevant statutory provisions, but the provisions above are the ones that apply in most cases.



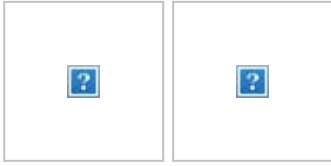
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To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Comments for DOE Public Meeting
Date: Thursday, January 4, 2018 12:40:41 PM

Arthur:

I strongly agree with the need to "change the deck" that EERE is dealing from and simple paybacks are something I've advocated and still do to eliminate their crooked card game. The questions are where and when.

Regardless, the real issues are EERE's abuse of the term "cost-effective" and "averages."

EERE's apparent definition essentially means that an efficiency measure merely has to exceed break-even within the lifetime of the measure **on average**.

Thus, in practice (more or less as EERE sees fit):

1. There has to be greater than 50% winners
2. There has to be a "non-trivial" overall economic benefit in terms of NPV over the appliance lifetime **on average**.

Here it is pictorially:



[DanzigerCoverArtSavage law of averages.jpg](#) 81.7 KB • [Download](#)

For more info:

<https://web.stanford.edu/~savage/faculty/savage/FOA%20Index.htm>



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From: [Barton Day \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Comments for DOE Public Meeting
Date: Thursday, January 4, 2018 3:24:55 PM

Great graphic.

We can ask DOE to change the way it does LCC analysis, but we shouldn't ask it to abandon the LCC analysis as described by 42 U.S.C. § 6295(o)(2)(B)(i)(II). Again, DOE has a statutory obligation to perform and consider that kind of analysis.

As Mark suggests, there is a need for some reasonable decision criteria as to what kind of LCC outcome should be required to justify new standards.

There are also some obvious problems with DOE's LCC analysis that need to be addressed:

- As previously detailed in Spire's comment submissions, DOE provided a purported "LCC analysis" that - because it did not actually compare the costs and benefits of products with the required efficiency improvements - understated the costs and overstated the benefits of new standards.
- DOE has been rigging its LCC analyses through the use of defective base-case efficiency assignments in its economic modeling. This is a huge issue in terms of practical impact.
- DOE has also been gaming its analysis by systematically underestimating the costs of efficiency improvements and systematically overestimating the benefits of the efficiency improvements (there are various sub-issues here, including real cost data vs Rube Goldberg estimates and the need to use realistic marginal energy costs).

I think these are the principal LCC-related issues to focus on, and some of the more important issues are not unique to DOE's LCC analysis.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Comments for DOE Public Meeting
Date: Thursday, January 4, 2018 4:05:25 PM

Barton:

Good words. What do you say about repeating them on January 9?



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From: [Barton Day \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Comments for DOE Public Meeting
Date: Thursday, January 4, 2018 5:08:08 PM

Mark -

I think we should make these points at the public meeting. Unfortunately, the first point (that we shouldn't ask DOE to abandon the LCC analysis required under 42 U.S.C. § 6295(o)(2)(B)(i)(II)) appears to contradict one of the positions stated in the current version of Arthur's opening statement.



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From: [Daniel Lapato \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Comments for DOE Public Meeting
Date: Thursday, January 4, 2018 5:29:06 PM

I understand the concern with some of the suggestions we make in our drafted opening remarks for the Jan. 9th meeting. I view our opening remarks at the public meeting as an opportunity for us to let the room know we still have a very strong interest in this process. Our comments are nothing more than us repeating comments we have made in our July 2017 RFI comments as well as in a letter to Secretary Perry earlier last year.

The issue isn't if DOE can or cannot do something. The objective of the comments is to establish an exaggerated marker and then force others to negotiate us back to a "new middle" that more reflects our ultimate goals.

I agree with your positions and think they should be articulated in our comment letter. I do not want to give the advocates a hint of what we are really working on. For now I want the advocates to believe our position is what we say in our opening remarks. Let them argue why DOE can't "freeze" the process or eliminate the "LCC" in their comments. I didn't want to give them the chance to argue against any of our proposals on the record.



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To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Comments for DOE Public Meeting
Date: Thursday, January 4, 2018 5:30:36 PM

Barton:

You point is noted. But it is still debatable. There is a big difference between requiring LCC and considering them. It would be nice if John Gregg chimed-in.



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From: [Tom Tanton \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Comments for DOE Public Meeting
Date: Thursday, January 4, 2018 5:56:29 PM

Ok, I'm pretty sure the Code section that Barton cites above does not define "life". Note that, at least with power plants and other CapEx, there is a difference between financial life and physical life, most simply exemplified by end of depreciation schedule (at which point the asset is deemed valueless.) It should be a simple matter at least with commercial equipment to have EERE assign lifetimes consistent with financial life, as they are (Congressionally charged) with comparing costs and benefits in monetary terms, and at least for tax purposes (simply speaking) anything afterwards doesn't count. Now it gets a little complicated with owner occupied residential consumers who may not depreciate (but not rent- to- own landlords who do depreciate.) For owner-occupied I believe a credible argument can be made that after some period (payback threshold <not actual>? finance period? something else?) way shorter than physical life the costs and benefits become meaningless (effectively a discount rate of 100%) to the consumer's decision process. While this wouldn't get us as far as adopting payback periods, it'd move us a long way there. Just might want to raise the issue next Tuesday and develop more as process moves forward. Thoughts?



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Comments for DOE Public Meeting
Date: Thursday, January 4, 2018 6:04:32 PM

It seems to be another option; along with "implicit discount rates." It's good to have options. It's not good for EERE to have total discretion in selecting options. They will chose what ever option best forces rule benefit.

Likewise, EERE **could** also "consider" simple payback as an alternative to LCC and deem simple payback the more practical methodology (especially for residential). But **would** they? Perhaps if a member of Congress were to write a pointed letter to Perry explaining how legitimate consumer interests are being routinely abused and they consequently risk reduced funding, maybe they would see the error in their ways.



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From: [Tom Tanton \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Comments for DOE Public Meeting
Date: Thursday, January 4, 2018 6:14:16 PM

could/would is why we need to stay in good graces with Simmons et.al. and provide him with justification for directing staff certain ways. My concern with implicit discount rates is they would be used to discount costs as well as benefits. Unless time distribution of cost and benefit are symmetrical use of implicit discount rates can bite you in the behind.



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To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Comments for DOE Public Meeting
Date: Thursday, January 4, 2018 6:16:54 PM

We got Sophie Miller on our side for implicit discount rates and Simmons recently put her on ASRAC. I think we can control potential damage.

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From: [Barton Day \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Draft Comments for DOE Public Meeting
Date: Thursday, January 4, 2018 7:28:55 PM

It sounds like we're getting there, but just to clarify:

The applicable law is pretty clear: if DOE fails to provide an LCC analysis as specified in 42 U.S.C. § 6295(o)(2)(B)(i)(II), its final action cannot be expected to survive judicial review.

We can argue about the details of the analysis required under 42 U.S.C. § 6295(o)(2)(B)(i)(II). We can also argue that there are other analyses that DOE should consider **in addition to** the analysis required under 42 U.S.C. § 6295(o)(2)(B)(i)(II).

However, the idea that DOE can provide an analysis that does not satisfy 42 U.S.C. § 6295(o)(2)(B)(i)(II) **instead of** an analysis that does is a legal non-starter. The more it looks like that is what DOE is doing, the more legal risk DOE will face.

I hope this helps.



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From: [Barton Day \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) DOE RFI's EERE
Date: Sunday, January 21, 2018 8:00:17 PM

John –

I understand you are working on comments for APGA, and wanted to compare notes with you on the issues involving the use of DFRs. In particular, I know your Firm briefed some of the relevant issues in the litigation on the furnace rule DFR, so I'd like both to have the benefits of your insights and to avoid "reinventing the wheel" on legal research your Firm may already have done.

It's outrageous that DOE used a DFR to try to skip notice and comment in a case in which "joint recommendations" were developed without any representation of entire categories of stakeholders and there were serious substantive objections to the recommendations. However, I think we should try to turn the initial focus to what DOE's position should be going forward. In that regard, my suggestion is that we take the position that DFRs should only be used when there is no need for the purposes of notice and comment to be served. For practical purposes, that would mean that:

- * The DFR procedure should never be initiated unless DOE – after reasonable inquiry – determines that substantive objections to the joint recommendation are unlikely, and

- * A DFR must be promptly withdrawn if any substantive objection is expressed in the form of adverse comment (i.e., any comment presenting information or argument challenging the outcome).

The argument, in short, is that the DFR mechanism was only intended to allow DOE to skip notice and comment in cases in which – due to the existence of a real consensus on the issues – notice and comment is unnecessary. This conclusion is consistent with the language of the statute, but – rather than focusing on an abstract parsing of the statutory language – we would start by making the case that any other interpretation would unreasonably conflict with DOE's obligations as defined both by EPCA and by basic principles of

administrative law.

I'd start the argument with the following statement of the law:

Both the Administrative Procedure Act and the Energy Policy and Conservation Act of 1975 ("EPCA") require observance of notice and comment procedures in energy conservation rulemaking. 5 U.S.C. § 552(b); 42 U.S.C. §§ 6295(o)(2)(B)(i), 6295(p)(1)-(2), and 6306(a). Notice and comment procedures serve a vital role in agency rulemaking: they are "designed (1) to ensure that agency regulations are tested via exposure to diverse public comment, (2) to ensure fairness to affected parties, and (3) to give affected parties an opportunity to develop evidence in the record to support their objections to the rule and thereby enhance the quality of judicial review." *Env'tl. Integrity Project v. EPA*, 425 F. 3d 992, 996 (D.C. Cir. 2005), (quoting *Int'l Union, United Mine Workers of Am. v. MSHA*, 407 F.3d 1250, 1259 (D.C. Cir. 2005).

As Congress plainly recognized (see 42 U.S.C. §§ 6295(o)(2)(B)(i) and 6295(p)(1)-(2)), the purposes served by notice and comment are particularly important where issues as complex as the technical and economic justification of energy conservation standards are involved, and it is vital to ensure that opportunity for comment is provided "while the decisionmaker is still receptive to information and argument," not after a final rule is issued, when "the decisionmaker is likely resistant to change." *NRDC v. EPA*, 683 F. 2nd 752, 767-68 (3rd Cir. 1982). Given the importance of the purposes served by notice and comment, and exceptions to notice-and-comment requirements are "narrowly construed and only reluctantly countenanced." *Utility Solid Waste Activities Group v. EPA*, 236 F.3d 749, 754 (D.C. Cir. 2001).

You can see where this is going. After a few intermediate steps, we could end up dismissing DOE's previous parsing of the statutory language by (1) citing *HPBA v. DOE* for the proposition that it isn't enough for an agency to argue that its interpretation of EPCA is linguistically possible, and (2) pointedly asking how it would be reasonable to read a statute that emphasizes the critical role of notice and comment to allow an agreement by some stakeholders to be used to strip other stakeholders of their notice and comment rights.

I'd like to have your general thoughts on this line of argument, but my more

immediate questions are as follows:

* Do you have a sense of how well this line of argument fits with the legislative history? Most of what I've seen appears to be helpful, but I'm not familiar with everything that might be out there, and Mark has cited a DOE press release (which may or may not constitute evidence of legislative intent) that appears to cut the other way.

* Have you looked at the analogous question of what "unnecessary" means for purposes of the exception to notice and comment requirements in 5 U.S.C. § 553(b)(3)(B) for cases in which "the agency for good cause finds . . . that notice and public procedure thereon are . . . unnecessary"?

I'd appreciate any input you could provide.

Thanks,

BDD

Barton Day

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From: [Barton Day \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) DOE Drops RFI on its "Process Rule"
Date: Thursday, January 4, 2018 4:56:52 PM

Dave –

I continue to have serious concerns about the issues I identified previously, particularly the request that DOE engage in a peer review process that could easily undermine (and would almost certainly complicate) our ability to get the regulatory action we need. Maybe it would help if I understood what you are trying to achieve and how you think a peer review process would help.

See my comments on the attached draft.

Regards,

BDD

Barton Day

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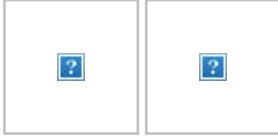


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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Cost of renewables hit families hardest
Date: Tuesday, January 9, 2018 1:08:37 PM

Maybe this is worthy of a research project?

As for your "talking with someone a while back:"

[A lie told once remains a lie but a lie told a thousand times becomes the truth](#)

[Joseph Goebbels](#)



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From: [Jason Stanek \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) California Will Be First State to Mandate Net Zero New Homes in 2020
Date: Thursday, March 1, 2018 10:56:50 AM

Looks like the mandate is for net zero electric only, but there is plenty of discussion about targeting gas "*Importantly, the building energy standards' focus on reducing the preference for natural gas leads to more opportunities to achieve zero-emissions of greenhouse gases (GHG)*".

Also curious what exactly is "*high-efficiency electric space and water heating*" as mentioned in the article.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) California Will Be First State to Mandate Net Zero New Homes in 2020
Date: Thursday, March 1, 2018 11:45:54 AM

Well Jason, as you know, electric resistance is considered to be virtually 100% efficient. And electric resistance water heaters are also considered to be solar energy storage batteries. Heat pumps are greater than 100% efficient.

This announcement is also being discussed within the AGA BECS committee leadership. The following is posted with permission:

Go ahead and post.

Gary Heikkinen, PE
LEED Green Associate

NW Natural | 220 NW Second Ave | Portland, OR 97209
503.721.2471 Office | 503.997.9334 Cell | 503.273.4823 Fax

From: Krebs, Mark E. [<mailto:Mark.Krebs@spireenergy.com>]
Sent: Thursday, March 01, 2018 8:26 AM
To: Heikkinen, Gary W.; Ranfone, Jim (JRanfone@aga.org); Williams, Ted (TWilliams@aga.org)
Subject: [External]RE: California Will Be First State to Mandate Net Zero New Homes in 2020

Gary:

This is an on-going discussion in APGA/DUTG Basecamp.

Mind if I post your take on it?

BTW: IF CA sees builders use more gas, they will probably clamp down on it; unless it is RNG; hence all the hoopla over RNG. IMO, RNG will not sustain our industry at its present size.

Mark Krebs
Energy Policy & Standards Specialist

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From: Heikkinen, Gary W. [<mailto:Gary.Heikkinen@nwnatural.com>]
Sent: Thursday, March 01, 2018 10:20 AM

To: Ranfone, Jim (JRanfone@aga.org) <JRanfone@aga.org>; Williams, Ted (TWilliams@aga.org) <TWilliams@aga.org>; Krebs, Mark E. <Mark.Krebs@spireenergy.com>
Subject: California Will Be First State to Mandate Net Zero New Homes in 2020

This is not necessarily new to us, but maybe some new twists.

From an article by the NRDC.

Under this proposed code, new buildings will be efficient enough that their electricity use can be offset by a modest number of solar panels. Consequently, for the first time, building energy standards will take on another role: in 2020 they will require that rooftop solar panels be installed on new single-family homes and low-rise multi-family buildings to offset the home's expected annual electricity use and achieve "zero-net electricity" status.

The new standards are also expected to take steps that remove historical preference for natural gas-based space and water heating. And with today's super-efficient heat pump technology, high-efficiency electric space and water heating now produce less than half the greenhouse gas emissions of even the most efficient gas furnaces and water heaters. Unlocking the potential for electric space and water heating is a key move that will help reduce carbon pollution generated from heating within homes and buildings, as natural gas is responsible for nearly half of the carbon emissions from California's building sector.

Importantly, the building energy standards' focus on reducing the preference for natural gas leads to more opportunities to achieve zero-emissions of greenhouse gases (GHG), including carbon and methane. To effectively reduce the GHG footprint of California's buildings, future code updates need to focus on using pollution-free energy to run space heating and water heating, rather than just getting to net zero energy while still burning fossil gas onsite and letting fugitive emissions accelerate climate change and impact people's health.

If you want to read the entire article, here's the link: <https://codewatcher.us/better-than-code/california-will-be-first-state-to-mandate-net-zero-new-homes-in-2020/>

It'll be interesting to see how this plays out. I might expect builders to continue to or increase use of natural gas equipment and appliances in the short term, since that will help them keep the solar array smaller and less expensive. Ultimately, though, this seems to be setting up for all electric homes in the future.

Gary Heikkinen, PE
LEED Green Associate

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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) California Could Legislate This Year to End New Gas Appliances in 2030
Date: Wednesday, March 14, 2018 9:39:39 AM

Would the "takings clause" apply here?

The **Takings Clause** refers to the last **clause** of the Fifth Amendment to the U.S. constitution that limits the power of eminent domain. The taking **clause** requires the entity to pay just compensation on taking private property for public use.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) California Could Legislate This Year to End New Gas Appliances in 2030
Date: Wednesday, March 14, 2018 11:23:55 AM

California is "stranding" gas utility property investments. That seems to be tantamount to "taking;" at least to me.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) California Could Legislate This Year to End New Gas Appliances in 2030
Date: Wednesday, March 14, 2018 11:25:56 AM

BTW: This is very likely to be repeated elsewhere if the "electrify everything" cabal gets its way.



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From: [Sue Kristjansson \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) California Could Legislate This Year to End New Gas Appliances in 2030
Date: Wednesday, March 14, 2018 11:55:43 AM

And where are the Republican electeds? This is completely outside of their belief system and yet they have no knowledge of how detrimental this is and what the potential unintended consequences will be. Not to mention, the general public sees this as a great "environmental" move but nobody is educating them on how significantly they will end up holding the bag in the form of astronomical energy prices and a significant lack of reliability.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) California Could Legislate This Year to End New Gas Appliances in 2030
Date: Wednesday, March 14, 2018 12:08:28 PM

It's a swamp thing. The electric industry is howling that they are in a "death spiral" and they're "too big to fail."

And then we have the best regulations and legislation that money could buy.
Hence the Krebs law of economic relativity: "Big dogs eat first."



[bigdog.jpg](#) 37 KB • [Download](#)



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From: [Sue Kristjansson \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) California Could Legislate This Year to End New Gas Appliances in 2030
Date: Wednesday, March 14, 2018 12:09:23 PM

Poor puppies.....



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From: [Tom Tanton \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) California Could Legislate This Year to End New Gas Appliances in 2030
Date: Wednesday, March 14, 2018 12:18:22 PM

I believe it would only be a taking if no allowance for existing customers and recovery of historical investment were to be allowed or compensated. But it does remind me of what I tell people (typically during campaign season) and hear "we need to run government more like a business"...I always say the first step is to know what business you're in. For California, we're in the building business...building stranded assets (see MTBE, CY 2000, Electric Vehicles circa 1985, overpriced cap& trade certificates, etc.)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) California Could Legislate This Year to End New Gas Appliances in 2030
Date: Wednesday, March 14, 2018 12:23:28 PM

So how would recovery work for gas T&D assets? Who would be charged?

Work with me. Paint the picture. But use crayons if possible.



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From: [Tom Tanton \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) California Could Legislate This Year to End New Gas Appliances in 2030
Date: Wednesday, March 14, 2018 12:45:53 PM

they're 'banning' new customers and new hook up which would preclude new investments. Recovery of existing investment continues dependent on existing customers (oh, and of course the three-X volume for electric generation (tomorrow's lunch for the alligator.)) I don't think they've considered the fact that investments by their nature have to be built ahead of use. But they'll deal with that in rate case, maybe a competitive transition charge.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Brattle: NEW SOURCES OF UTILITY GROWTH=0AElectrification Opportunities and Challenges
Date: Wednesday, March 14, 2018 9:35:53 AM

Here's another one from Brattle that I found inside the above study:
[Electrification: Emerging Opportunities for Utility Growth](#)



[7376_electrification_whitepaper_final_single_pages-1.pdf](#) 4.35 MB • [Download](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) APGA to Host an Electrification Webinar
Date: Monday, March 12, 2018 3:14:00 PM

I must have missed the DUTG discussion leading to this.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) APGA to Host an Electrification Webinar
Date: Tuesday, March 20, 2018 4:16:12 PM

Good job.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) APGA Sends Letter to the CPUC in Response to Proposed Natural Gas Moratorium
Date: Thursday, February 8, 2018 4:09:33 PM

Thanks Dave.

I've recently been in contact with SoCal's Lisa Alexander about this. Here is the gist of it in blue:

Thanks for sharing your paper refuting SCE. What about refuting the City of LA *"replacement of gas in thermal heating loads, water heating and cooking in new buildings; and potential strategies for converting existing gas uses to electricity"* per the following link?

http://clkrep.lacity.org/onlinedocs/2018/18-0002-S7_mot_2-6-18.pdf

Is that just for City-owned and/or occupied buildings?

Thanks in advance. We may have similar situations brewing here in MO and AL.

I didn't get a simple yes or no answer. But it seems that this environmentalist "victory" can be (and probably will be) replicated elsewhere; or at least attempted. Anyway, check out the link and tell me what you think it portends.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) APGA Sends Letter to the CPUC in Response to Proposed Natural Gas Moratorium
Date: Thursday, February 8, 2018 4:11:33 PM

PS: should I post the SoCal paper refuting SCE?



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Ancillary Services
Date: Monday, February 19, 2018 11:28:58 AM

Another point I need to emphasize when commenting on Lazzard. They use a higher natgas forecast. I called them out on their elevated natgas forecast in 2016, they never responded...then in 2017 they did not show their forecast at all. I asked for their forecast and they have not responded to me. I'm guessing it is still high.

I can buy natgas 12 mo strip through 2030 right now for less than \$3.25/mmbtu. All the "expert's" forecasts are at least \$1 higher. Replacing a coal plant with combined cycle in the same footprint is the cheapest alternative for most of the US. The transmission infrastructure is already there and you can supply ancillary services locally.



[image.png 50.5 KB](#) • [Download](#)



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) Agenda for Wednesday's DUTG Conference Call
Date: Tuesday, January 23, 2018 8:16:23 AM

If there are no concerns with moving the call, we will move tomorrow's call from 3pm eastern time to 3:30 eastern time. Thanks, Dave



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) 2018 End Use of Natural Gas Symposium
Date: Wednesday, March 7, 2018 10:53:02 AM

Post agenda?



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From: [Daniel Lapato \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: Re: (APGA Direct-Use Task Group) 2018 End Use of Natural Gas Symposium
Date: Wednesday, March 7, 2018 11:08:00 AM

Mark,

Here is the Agenda.



[2018 EUNG Agenda 3_7_2018.pdf 158 KB](#) • [Download](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (Responding to "Environmentally Beneficial Electrification" Campaign) From Good Intentions to Deep Decarbonization by Jeffrey D.pdf
Date: Wednesday, February 14, 2018 10:22:11 AM

Mark K. uploaded a new file...



From Good Intentions to Deep Decarbonization by Jeffrey D.pdf • 139 KB

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Notes:

This document discusses the history of "deep decarbonization" from the perspectives of its advocates.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (Recent pro direct-use articles) During Recent Cold Snap, Natural Gas Helped Keep The Nation Warm
Date: Friday, January 19, 2018 1:26:49 PM

A little positive recognition of natural gas direct use:

During Recent Cold Snap, Natural Gas Helped Keep The Nation Warm

<http://westernwire.net/during-recent-cold-snap-natural-gas-helped-keep-the-nation-warm/>



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Wind needs \$ billions in Transmission
Date: Wednesday, January 17, 2018 10:22:06 AM

Wind industry came out and said they need utilities to invest billions in transmission to get the power to the load...perhaps EIA and Lazard should include those costs in their LCOE studies.

<https://platform.mi.spglobal.com/web/client?auth=inherit#news/article?id=43211162&KeyProductLinkType=4>

New transmission needed for corporations to access renewables, report finds EXTRA

Tuesday, January 16, 2018 4:25 PM CT

By [Richard Martin](#)

Existing and planned transmission lines are insufficient to meet increasing demand for renewable power generation from corporate customers, according to a new [report](#) from the Wind Energy Foundation, an advocacy group based in Washington, D.C.

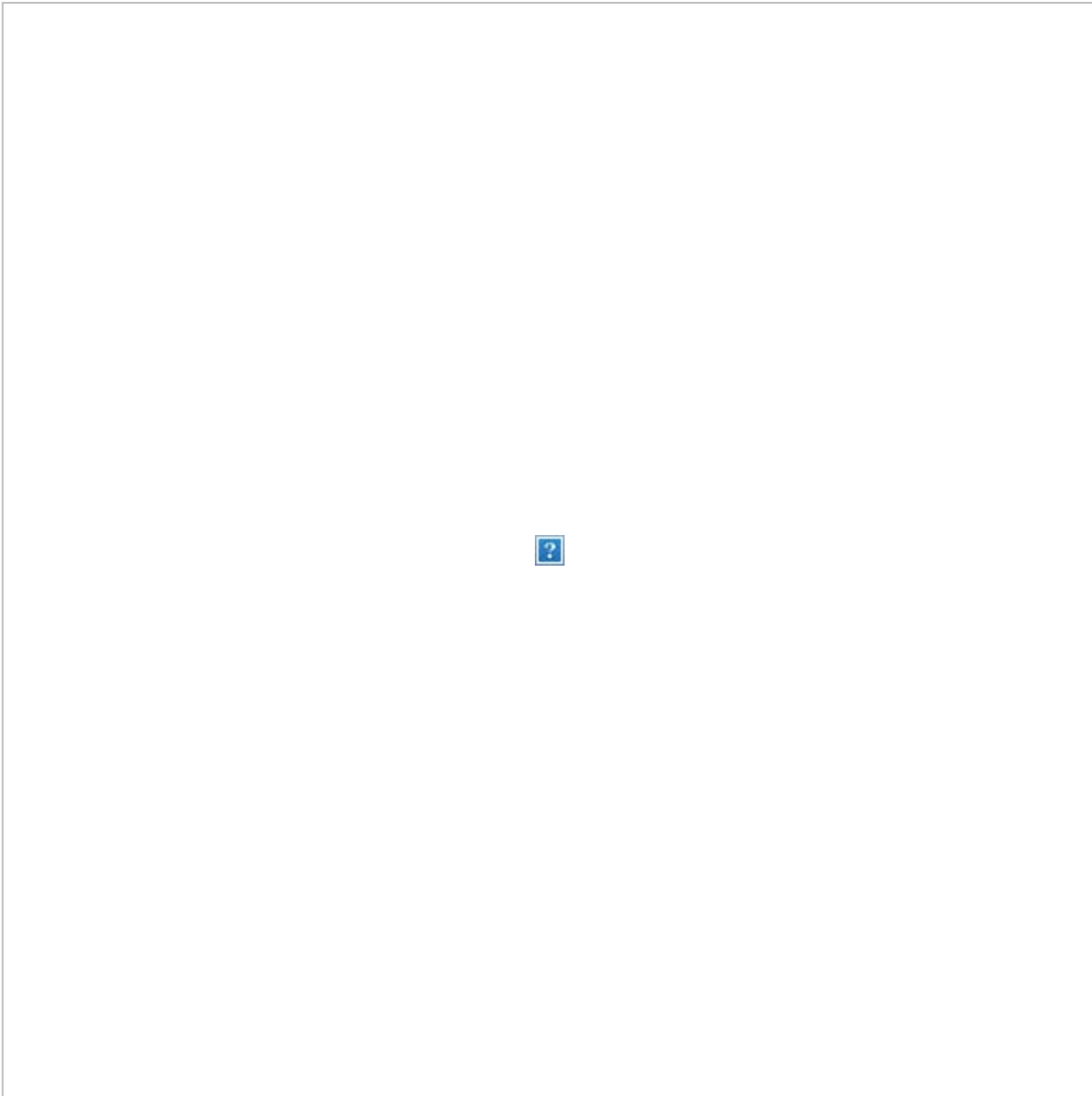
Even as the price of energy from wind and solar farms falls and large corporations' demand for renewable energy rises sharply, "customers' access to this affordable energy is constrained by inadequate transmission," the report, "Transmission Upgrades & Expansion: Key to Meeting Large Customer Demand for Renewable Energy," concluded.

To meet their renewable energy targets, corporate buyers must encourage state regulators and transmission planners to approve transmission upgrades and expansions and urge the Federal Energy Regulatory Commission to improve the planning process for new transmission, especially interregional systems, according to the report.

"It's essential that transmission planners take the growing corporate demand for renewables into account in the planning process," Rob Threlkeld, global manager of renewable energy at [General Motors Corp.](#), said in a news release that accompanied the report. "Expanding and upgrading transmission is critical in helping GM access low-cost renewable energy and meet our commitments."

In September 2017, GM agreed to purchase [200 MW from wind farms in Ohio and Illinois](#) to cover all the electricity needs of its manufacturing facilities in Ohio and Indiana. That includes the first, 100-MW phase of [Starwood Energy Group Global LLC's](#) planned 250-MW [Trishe Wind \(Northwest Ohio Wind\)](#) project in Van Wert and Paulding counties, Ohio, and 100 MW from [Swift Current Energy's](#) planned 200-MW [HillTopper Wind Energy Project \(Meridien\)](#) in Logan County, Ill. Both

facilities are expected online in late 2018.



60 GW by 2025

Other large corporate buyers of renewable energy include [Amazon.com Inc.](#), which in October 2017 [energized](#) the 253-MW [Dermott Wind Farm \(Amazon Wind Farm Texas\)](#), bringing its cumulative deals for renewable energy in the U.S. to more than 1.2 GW, and [Google Inc.](#), whose total renewable energy purchases [surpassed 3 GW in 2017](#) as the [Alphabet Inc.](#) subsidiary aims to meet its goal of acquiring enough renewable energy to fully offset the energy consumption of its global operations.

Since 2013, the Wind Energy Foundation report noted, U.S. corporations have signed long-term contracts for nearly 9 GW of solar and wind power, roughly equal to 16 conventional power plants. In May 2016, the [Renewable Energy Buyers](#)

[Alliance](#), a coalition of more than 100 large corporations, announced a target of purchasing 60 GW of new renewable generation capacity by 2025.

Providing access to that energy, much of which is produced in the central U.S. far from the major urban centers of the coasts, is proving challenging, though. Independent transmission developers, including [Clean Line Energy Partners LLC](#) and [TransWest Express, LLC](#), continue to encounter difficulty winning regulatory approval and landing investors to build their ambitious projects. In December 2017, Clean Line said it would sell the Oklahoma portion of its multistate Plains & Eastern Clean Line to renewable energy developer [NextEra Energy Resources LLC](#), a unit of [NextEra Energy](#). The \$2.5 billion project, designed to move up to 4,000 MW of low-cost wind-generated electricity from the Oklahoma panhandle through Arkansas to the southeastern U.S., has been in development for eight years. It has received all the necessary regulatory and environmental approvals for construction to begin but is still obtaining rights of way from local landowners.

An immediate need

In May 2017, the U.S. Forest Service gave final approval of the routing for TransWest Express and another large electric transmission project in the Rocky Mountain West, [PacifiCorp's](#) Energy Gateway South. TransWest Express is backed by billionaire oil tycoon Philip Anschutz, whose privately held Anschutz Corp. is also developing the massive [Chokecherry and Sierra Madre Wind Energy Project](#) in Wyoming. The route extends from the Wyoming wind farms to a planned interconnection near Delta, Utah, and on to the Marketplace Hub near Hoover Dam in southern Nevada, which provides interconnections to the California, Nevada and Arizona grids.

Gateway South is a portion of a multistate PacifiCorp plan to add roughly 2,000 miles of high-voltage transmission lines to its grid in the western U.S.

Fifteen central U.S. states hold the most potential for renewable energy development, including 88% of technical potential for onshore wind power and 56% of utility-scale solar photovoltaics, the Wind Energy Foundation report found. They account for less than one-third of future load growth, however, meaning that long-distance transmission will be critical for bringing that energy to market. Transmission planners, the report argues, are not fully accounting for projected new demand from corporate buyers in their deliberations.

"This report demonstrates that there is an immediate need for transmission planners to account for the significant renewable energy goals of corporate purchasers," Wind Energy Foundation Executive Director John Kostyack said in the release.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Warring Against Natural Gas: Joint EEI/NRDC Statement to NARUC (crony environmentalism at work)
Date: Monday, February 26, 2018 10:30:38 AM

Just published:

<https://www.masterresource.org/edison-electric-institute/eei-nrdc-naruc-propaganda/>



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Updated Agenda for Today's DUTG Conference Call
Date: Wednesday, March 21, 2018 11:41:51 AM

Attached is an updated agenda for the 3pm conference call of the DUTG. To participate in the call, please dial 1-800-582-3014 and the passcode is 828590281#.

 [AGENDA FOR THE MARCH 2018 CONFERENCE CALL OF THE DIRECT-USE TASK GROUP.docx 15.7 KB](#) • [Download](#)

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From: [Daniel Lapato \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) U.S. Senate Committee on Energy and Natural Resources hearing on Energy Infrastructure
Date: Tuesday, February 6, 2018 10:26:54 AM

On February 8th the U.S. Senate Committee on Energy and Natural Resources will hold a full committee hearing on "*The Evolution of Energy Infrastructure in the United States and How Lessons Learned from the Past can Inform Future Opportunities.*" The purpose of this hearing is to examine the evolution of energy infrastructure in the United States and how lessons learned from the past can inform future opportunities.

Here is a link to the announcement and the witness list;

<https://www.energy.senate.gov/public/index.cfm/hearings-and-business-meetings?ID=C9CB84BD-EDC9-4FCE-AD93-742471F42FCE>

APGA has drafted testimony we would like to submit for the record. Since the hearing will be held this Thursday we need your edits as soon as possible. We will be submitting the testimony by noon tomorrow. Please review the enclosed draft and send any edits or comments to me or Dave Schryver.

Thanks you,
Dan

 [Draft Senate Testimony on Energy Infrastructure 2_8_2018 V.1.docx 35.1 KB](#) • [Download](#)



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From: [Jim Hodges \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) TVA
Date: Thursday, January 18, 2018 12:22:49 PM

Did you see TVA's request for less electric use last week



[TVA Ask Consumers for Voluntary Reduction in Power Use 2018 0116.pdf 39.1 KB](#) • [Download](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Trumps FY2019 budget is out
Date: Monday, February 12, 2018 5:41:45 PM

You can read the full budget [at this link](#):

This is the only paragraph that mentions EERE:

*Within this amount, the Budget provides \$757 million for the Office of Nuclear Energy, prioritizing support for early-stage R&D on advanced reactor technologies, including small modular reactors, and advanced instrumentation and manufacturing methods. The Budget also provides more than \$300 million for R&D by the Office of Fossil Energy to support national laboratory research on clean, efficient fossil fuels and systems, and bolster early-stage critical materials R&D. In addition, the Budget provides more than \$180 million for the Department's Grid Modernization Initiative, a joint effort funded by the Office of Electricity Delivery, the Office of Energy Efficiency and Renewable Energy, and the new Office of Cybersecurity, Energy Security, and Emergency Response. **The initiative aims to maintain progress on innovative technologies and operational approaches for achieving a more reliable, resilient, and secure electricity delivery system integrated with energy storage, renewable generation, smart buildings, and electric vehicles.***
(bold emphasis added)

I also found this interesting twist:

Fee-Funds the Popular ENERGY STAR Program. ENERGY STAR is a trusted resource for consumers and businesses that want to purchase products that save them money and help protect the environment. The Budget includes a proposal to authorize EPA to administer the ENERGY STAR program through the collection of user fees. Product manufacturers that seek to label their products under the program would pay a modest fee to support EPA's work to set voluntary energy efficiency standards and to process applications. Fee collections would begin after EPA undertakes a rulemaking process to determine which products would be covered by fees and the level of fees, and to ensure that a fee system would not discourage manufacturers from participating in the program or result in a loss of environmental benefits.

This is what Congressional Quarterly reported:

*The research program seeing the largest reduction is the Office of **Energy Efficiency** and Renewable Energy, which DOE sets aside \$696 million for in fiscal 2019. That would represent a \$1.3 billion cut for the...*

Maybe the real wailing and lamenting will start tomorrow?



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Trump Can't Derail Renewable Energy Push
Date: Wednesday, March 21, 2018 9:52:52 AM

<https://www.bloomberg.com/view/articles/2018-03-09/trump-can-t-derail-renewable-energy-push>

Read the comments too.



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Today's EEI/NRDC agreement
Date: Wednesday, February 14, 2018 4:23:07 PM

From Monday's E&E News:

“The final NARUC session on Wednesday will feature a debate of sorts between Phil Moeller, executive vice president of the Edison Electric Institute, and Ralph Cavanagh, co-director of the energy program at the Natural Resources Defense Council, on an "all of the above" energy strategy.”

The attached joint EEI/NRDC statement included the following agreement: “efficient electrification of transportation, buildings, and facilities”

Some effective indoctrination of state regulators too.



[Joint EEI-NRDC Statement to NARUC 14FEB18.pdf 88.2 KB](#) • [Download](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) The Next Step in The Clean Energy Transition - Decarbonizing Heating Energy in Buildings
Date: Thursday, February 15, 2018 2:02:44 PM

Too bad I missed this informative NRDC/Sierra Club webinar (as defined by Joseph Goebbels): <http://campaign.r20.constantcontact.com/render?m=1109315887509&ca=758b0988-b3e7-4317-a9d3-5701df0c231c>

Anyway, I found the presentation: <http://www.lgsec.org/wp-content/uploads/2018/02/NRDC-Sierre-Club-LGSEC-Decarbonizing-Heating-Energy-in-Buildings-Feb-12-2018-v2.pdf>



[NRDC-Sierre-Club-LGSEC-Decarbonizing-Heating-Energy-in-Buildings-Feb-12-2018-v2.pdf](#) 4.77 MB • [Download](#)

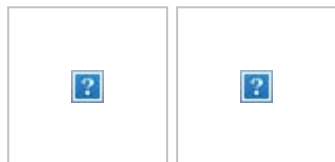


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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) The Alliance to Save Energy new "Commission on U.S. Transportation Sector Efficiency"
Date: Friday, February 9, 2018 10:53:56 AM

Excerpt:

The Commission is modeled on the Alliance to Save Energy's National Commission on Energy Efficiency Policy, which brought together leaders from government, business, academia, and the power sector to recommend energy efficiency policies and practices that could lead to a second doubling of energy productivity by 2030.

Here is the full document and ASE's web page:

<http://www.ase.org/50x50transportation>



[Transportation Commission 2-pager 10.02.17 TCs.pdf 499 KB](#) • [Download](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Team of rivals: Utilities, enviros unite to push electric vehicles
Date: Monday, February 26, 2018 10:52:20 AM

Excerpt:

There were 227 state- and utility-level actions related to EVs proposed, pending or decided during 2017, according to [a new national policy review](#) from the North Carolina Clean Energy Technology Center (CETC). The legislative and policy actions covered by the review are wide ranging and include studies of EV impacts and incentives, charging station buildout, and EV-specific rate designs.

Here's their map:



[image.png](#) 86 KB • [Download](#)

Here's their report:



[2017_EV_execsummary_Final2-1.pdf](#) 1.28 MB • [Download](#)



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) T&D spend has doubled
Date: Tuesday, March 13, 2018 9:03:10 AM

Great article in S&P Global this a.m. on T&D spend. . This is why you can't just use historical T&D spend in the AEO. The T piece has doubled in the past 10 years and will continue to rise as utilities move towards wind in remote locations, shutting down local coal plants. I'm working with EIA on a supplemental electricity working group in early April to help correct their forecasting methodology.

<https://platform.mi.spglobal.com/web/client?auth=inherit#news/article?id=43061026&KeyProductLinkType=4>

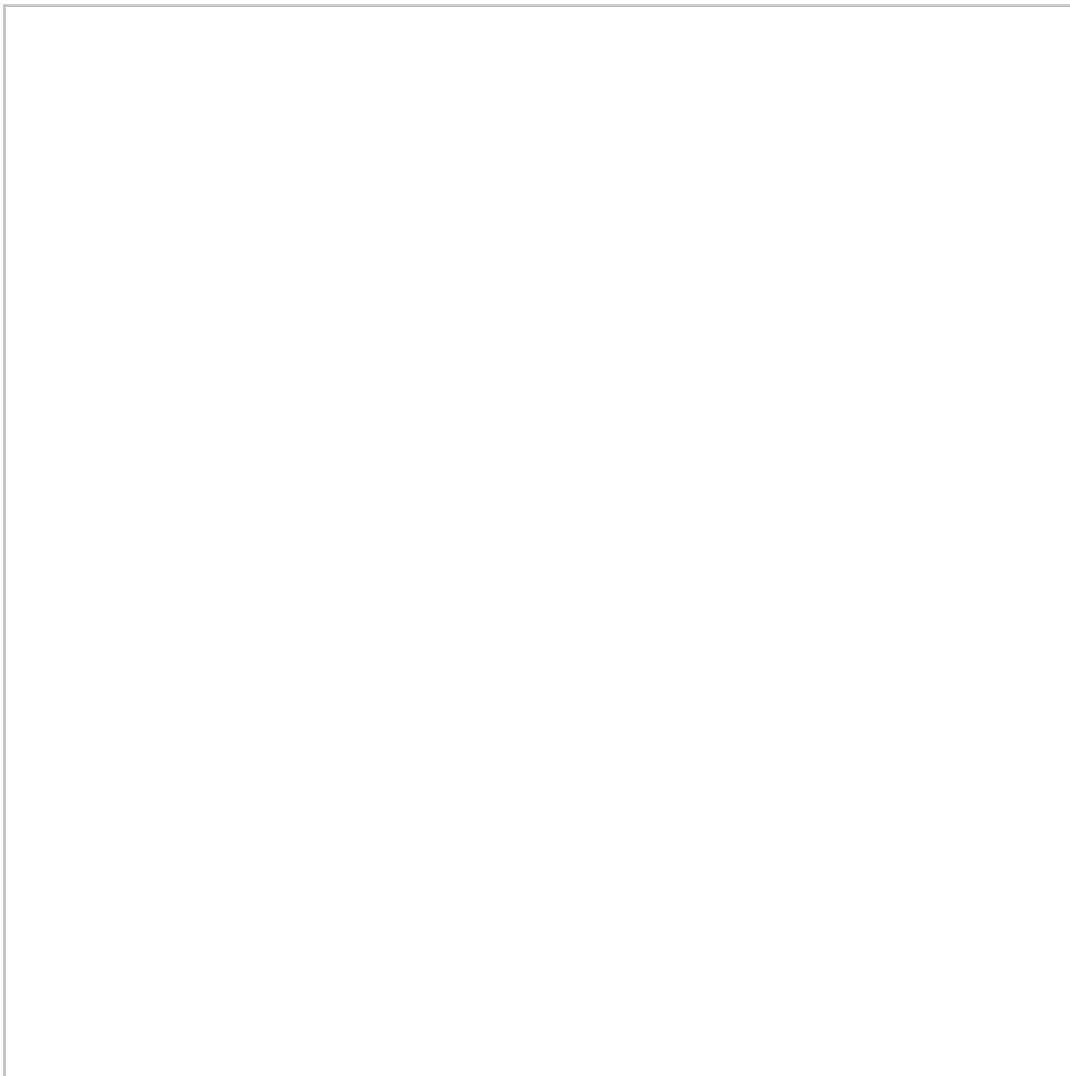
Over 10 years, US generation costs decline but transmission, distribution rise

EXCLUSIVETuesday, March 13, 2018 6:04 AM CT

By [Maham Furqan](#)

An S&P Global Market Intelligence analysis of the Federal Energy Regulatory Commission's Form 1 data shows that the cost of producing power in the U.S. has declined for electric utilities over the past decade. At the same time, transmission and distribution expenses have risen sharply.

Filed annually, FERC Form 1 reports are designed to collect financial and operational information from electric utilities and other entities that fall under the commission's jurisdiction.

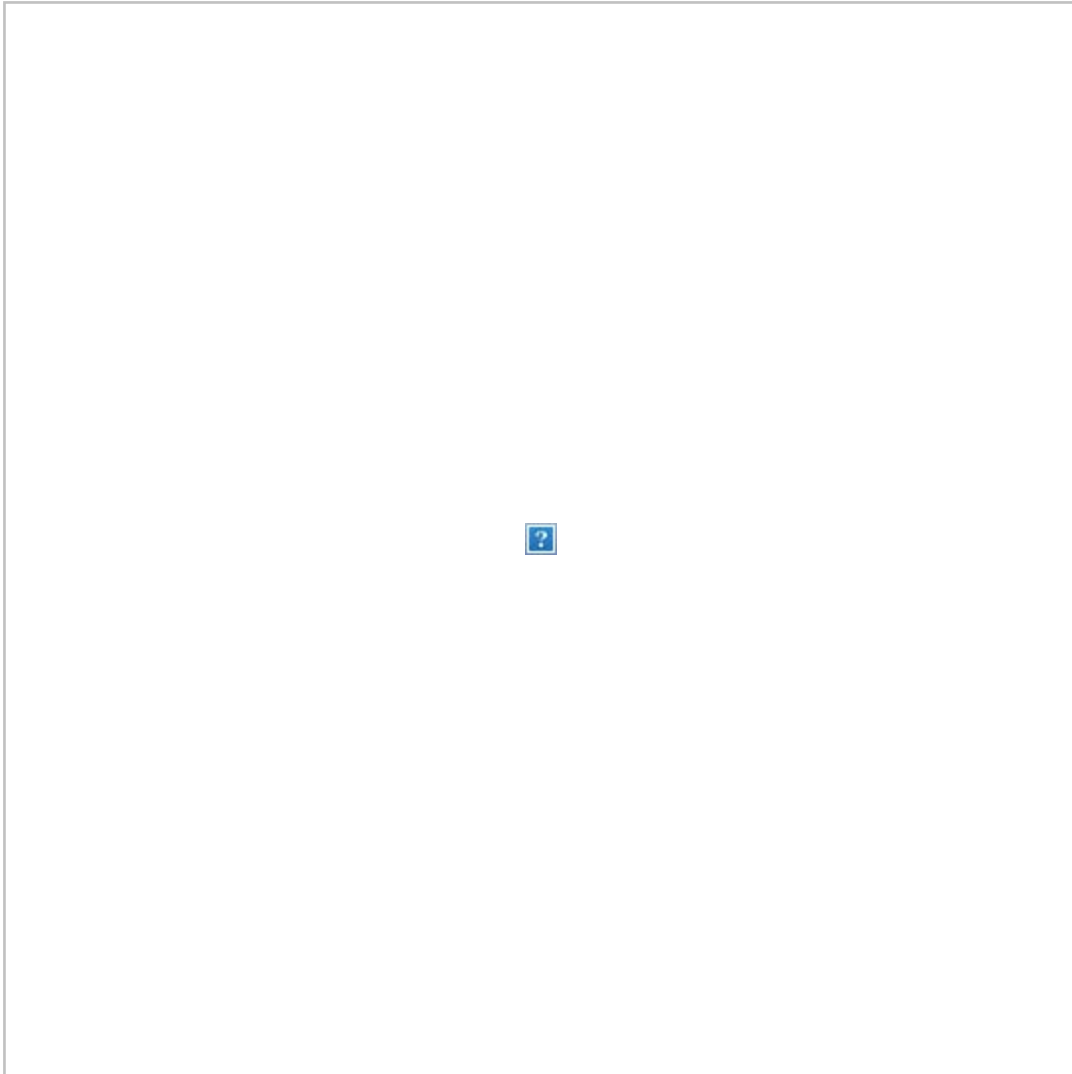


From 2006 to 2016, the cost of producing power in the U.S. fell by almost 21%. In the most recent two-year period, 2014-2016, the decline was about 18%. The decline in costs over the 10-year period coincides with a period of flattening demand for electricity and low wholesale prices for energy.

Steam power production operation and maintenance, or O&M, expenses in the U.S. fell the most during that period, by about 20%, while for nuclear, the decline was about 3%.

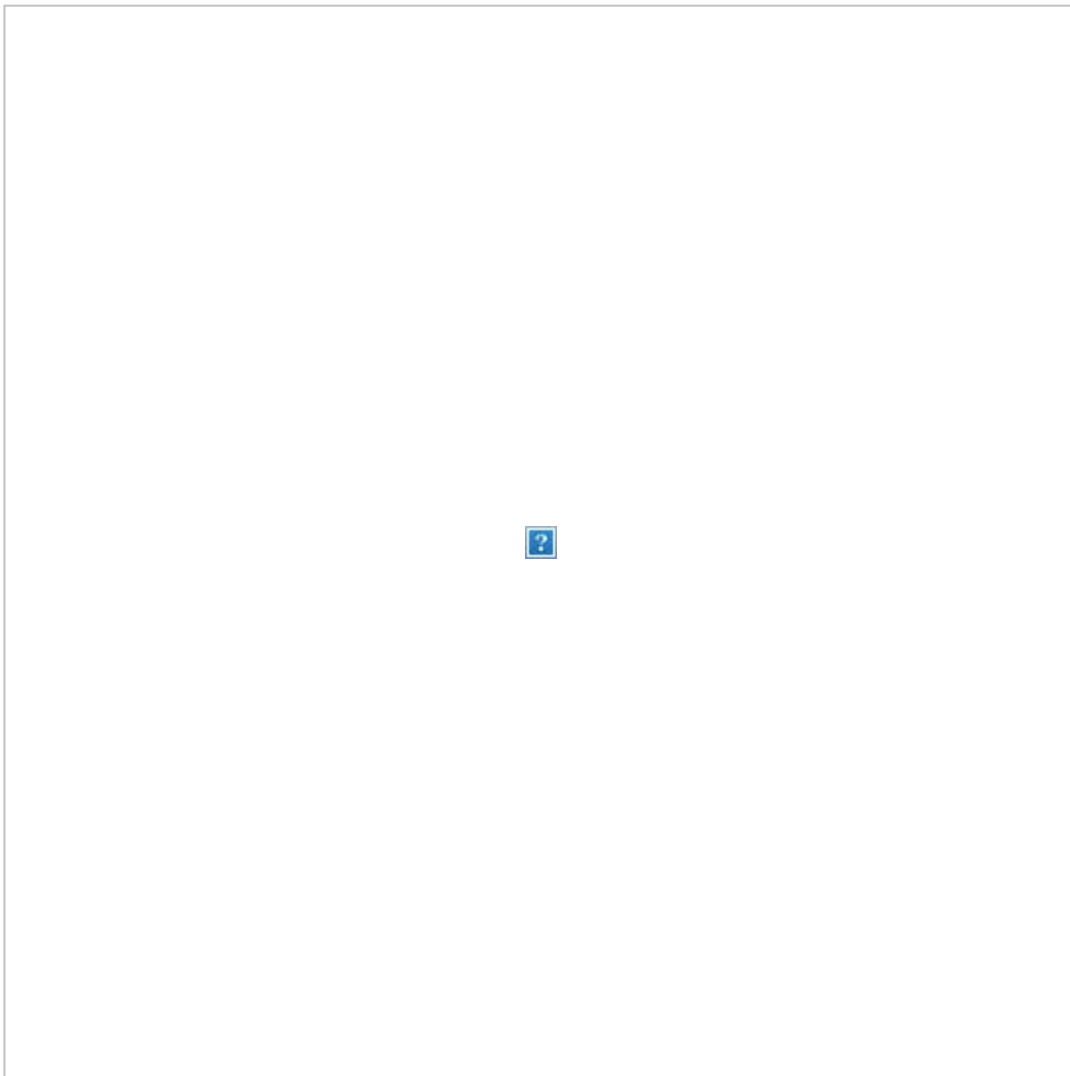
Out of the individual line items from O&M expenses for steam production, operational steam allowance expenses, which include expenses related to the emissions of sulfur dioxide, showed the largest decrease, about 71%.

Power production and supply expenses for fuel types other than steam, nuclear and hydropower declined by almost 19% from 2014 to 2016. Hydropower production O&M expenses rose by 8% in this period, but in total, those expenses accounted for less than 1% of the total power production O&M expense in the past decade.



While power production became cheaper in the U.S., transmission and distribution costs rose. From 2006 to 2016 the cost of electricity transmission O&M climbed by about 87%. From 2014 to 2016, these costs increased by 16%.

On the distribution side, from 2006 to 2016 O&M costs rose by 38%. In the more recent period from 2014 to 2016, distribution costs rose by 6%.



A further breakdown of distribution costs illustrates that each sub-category has risen over the past decade. O&M expenses related to overhead lines and underground lines rose by 54% and 33%, respectively, from 2006 to 2016. Some of the reasons for higher overhead and underground line O&M expenses included maintaining overhead lines to [avoid unsafe conditions](#), moving overhead lines underground to avoid wind and storm damage, [improve electric infrastructure](#), and strengthening the distribution system to handle disasters like [Superstorm Sandy](#) in 2012.



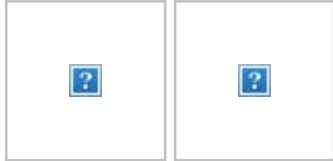
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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Summary of Yesterday's DOE Public Meeting on Improvements to the Process Rule
Date: Wednesday, January 10, 2018 4:35:43 PM

Yesterday, Arthur Corbin represented APGA at a DOE public meeting addressing improvements to the process rule. The meeting was well attended with about 150 attendees in the room (including Sue Kristjansson and Sasha Benjamin from Oak Ridge Utility District as well as Mark Krebs and Barton Day for Spire) as well as another 140 attendees participating remotely via webinar. The other attendees included representatives from appliance manufacturers; trade associations including the American Gas Association and Edison Electric Institute; national and state efficiency groups; and others.

The meeting, which lasted all day, began with a statement from Alex Fitzsimmons, EERE chief of Staff, who stepped in for Daniel Simmons, head of EERE, who was called to the White House for a meeting. Other groups, including APGA, then made their own opening statements. A copy of APGA's statement is attached. After the opening statements, DOE Staff walked through a PowerPoint with the specific questions they included in their RFI for improving the current Process Rule. Their presentation focused on the following issues: Direct Final Rule issues; Negotiated Rulemaking Issues; Procedures for Gathering Information Early in the Rulemaking Process; The Use of Industry Test Procedures; and Analytical Issues.

There appeared to be strong agreement among manufacturers and industry (and to some extent, even with the efficiency groups) on the following items:

- (a) the importance of making DOE's process/procedures binding on them (that is, DOE must follow its established process/procedures for setting efficiency standards)
- (b) the importance of transparency;
- (c) that there is benefit to early and open discussions and sharing of information among all interested stakeholders key (Advanced NOPR or similar process);
- (d) review (peer/retrospective) and simplification of modeling, and
- (e) test procedures must be established before moving forward on any standard.

The next step will be the filing of formal comments which are due on February 16th. During the meeting we discussed the with AGA representatives the possibility of filing joint comments (both APGA's and AGA's opening statement addressed many of the same issues). Barton, Mark, Sue and Sasha, feel free to add anything we may have missed. Thanks,

Arthur and Dave

 [Final APGA Comments for the January 9 2018 DOE Public Meeting.docx 24 KB](#) • [Download](#)



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Storage Withdrawals
Date: Tuesday, February 20, 2018 10:28:28 AM

Record setting 150.7 bcf withdrawal earlier this year sent the natgas market spiking higher. And, now we are back where we started in the \$2.60/mmbtu range. I saw an article this morning that makes sense to me. This winter has given utilities a higher incentive to withdraw gas from storage. The summer/winter spreads are higher which means you can make money pulling gas from storage. And if you are a trader with salt dome storage...you can make a ton of money pulling out of storage on price spikes, slam it back in when prices crater. Playing seasonal spreads is a low risk trading strategy. Large pulls on storage were not all about demand...there was a trading incentive to pull from storage also.



[image.png 81.9 KB](#) • [Download](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) SST Committee Staff Report Reveals Russia's Social Media Meddling in U.S. Energy Markets | Committee on Science, Space, and Technology
Date: Monday, March 5, 2018 12:32:59 PM

<https://science.house.gov/news/press-releases/sst-committee-staff-report-reveals-russia-s-social-media-meddling-us-energy>

Report is serious but contains some humor:



ZIE30F7_Image_8.bmp 2.75 MB • [Download](#)



ZIE30F7_Image_17.bmp 2.75 MB • [Download](#)



SST-20Staff-20Report-20--20Russian-20Attempts-20to-20Influence-20U.S.-20Domestic-20Energy-20Markets-20by-20Exploiting-20Social-20Media-2003.01.18.pdf 3.42 MB • [Download](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Southern Co. appoints former US Energy Secretary Moniz to board
Date: Tuesday, February 13, 2018 2:55:30 PM

It figures.

<https://platform.mi.spglobal.com/web/client?auth=inherit#news/article?id=43519359&KeyProductLinkType=4>



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Schedule of Future in Person DUTG Conference Calls and Meetings
Date: Monday, January 22, 2018 4:10:14 PM

Below is a schedule of conference calls and meetings for the DUTG in 2018.
Please call or email me if you have any questions, thanks!

Schedule of Future DUTG Conference Calls

3pm, January 24th
3pm, February 21st
3pm, March 21st
3pm, April 18th
May – In Person meeting
3pm June 20th
3pm July 18th
3pm August 15th
3pm September 19th
3pm October 17th
3pm November 14th
December in person meeting



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Save the date for ACEEE's Rural Energy Conference (10/22)!
Date: Thursday, March 1, 2018 12:03:59 PM

Also see the Basecamp discussion:

[From White House: The plan to rebuild rural America](#)

Join ACEEE for our first-ever [Rural Energy Conference](#). Small towns and rural communities across the United States face unique energy challenges because of their sparsely populated areas. They offer untapped potential for energy efficient technologies and programs.

Our one-day, multi-track conference, which will precede the two-day annual meeting of the [Southeast Energy Efficiency Alliance](#), will discuss the role of energy efficiency and the energy burden of low-income customers in rural communities. Leaders from industry, utilities, cooperatives, nonprofits, academia, and government will explore how tailored efficiency programs can enable economic growth and social equity in rural and small-town America.

Registration to open in Summer 2018.

View rates [online](#).

Likely Participants: Rural utilities (including IOUs, Co-ops and Munis) staff; technology providers and program implementers; federal and state agricultural, energy and economic development personnel; energy efficiency, rural and low-income NGOs and foundations; and federal, state and local policymakers.

Visit the [conference web page](#) for more information and [contact us](#) with any questions or to learn about sponsorship opportunities.

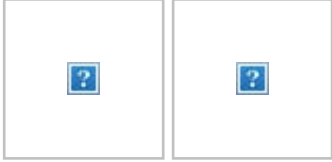


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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Revised Opening Statement for DOE Public Meeting
Date: Thursday, January 4, 2018 3:41:13 PM

We want to thank you for the input we received into the draft opening statement that was posted earlier in the week. We have worked to incorporate the revisions and suggestions we received in the attached version. Please let us know if you have any additional revisions. Thanks!

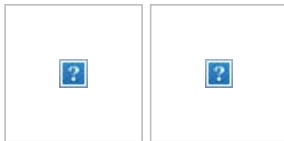
 [Draft opening comments for DOE public mtg 1 9 2018 Near Final Draft.docx 23.2 KB](#) • [Download](#)

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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Revised Agenda for Tomorrow's DUTG Conference Call
Date: Tuesday, February 20, 2018 1:38:52 PM

Attached is a revised agenda for tomorrow's 3pm eastern time conference call of the DUTG. To participate on the call, please dial 1-800-582-3014 and the passcode is 828590281#.

 [AGENDA FOR THE FEBRUARY 2018 CONFERENCE CALL OF THE DIRECT-USE TASK GROUP.docx](#) 15.5 KB • [Download](#)

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From: [Daniel Lapato \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Repeal of Section 433 of EISA
Date: Monday, March 5, 2018 2:11:56 PM

Committee members,

Section 433 of the Energy Independence and Security Act of 2007 mandates elimination of all fossil fuel-generated energy (electricity and the direct use of natural gas) use in new and renovated Federal buildings by the year 2030. The mandate seeks to reduce fossil fuel-generated energy use in new and substantially renovated buildings by 65% by 2015, 80% in 2020, 90% in 2025 and the full elimination of fossil fuel-generated energy (electricity and the direct use of natural gas) by 2030. The mandate covers new buildings and major renovations of at least \$2,500,000.

It is believed by some that the full extent of the provision was not known and/or understood when Congress passed the 2007 energy bill. The Department of Energy (DOE) has not yet finalized a rule to put the provision into effect, possibly because compliance with any such rule would be impossible.

Over the last seven years APGA and other stakeholders have been working to repeal section 433. Over the several months it has become clear that the only viable option to repealing section 433 is to replace it with language that encourages the federal government's efforts to reduce their energy consumption. In Congress this effort is known as the "Section 433 Repeal and Replace provisions" or the "Hoeven-Manchin Language."

In the Senate, the Hoeven-Manchin Language has been included in both the "Portman-Shaheen Bill" and the "Murkowski-Cantwell Bill" energy bills. On the House side we have not seen any language introduced this Congress. In the past, this issue was championed by Congressman Whitfield but with his retirement no one has really picked up the issue until now. We are working with several members of Congress to introduce language that will repeal section 433 and replace it with language that promotes energy efficiency. Because this is a mid-term election year, a straight repeal of section 433 is not a political reality.

However, we believe there should be several distinct differences between the House and Senate language. The first difference is the addition of "where life-cycle cost effective" included to any language promoting energy efficiency measures. The second area is the elimination of the progressive 2.5% energy reduction goal. The final difference is the deletion of the reference to green building certifications.

As APGA continues to advocate for the repeal of section 433, please let me know if you have any questions or concerns. Also let me know if you believe we should continue to support the section 433 repeal and replace language.

Thank you,

Dan



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Reminder - Conference Call of the DUTG Scheduled for 3pm eastern time on Wednesday, February 21st
Date: Thursday, February 15, 2018 2:08:39 PM

To participate in the conference call, please dial 1-800-582-3014 and the passcode is 828590281#. A draft agenda for the call is included below. Please let me know if you have any revisions to the agenda. The minutes from last month's call are available in the Minute Folder of the Basecamp Documents Library.

 [AGENDA FOR THE FEBRUARY 2018 CONFERENCE CALL OF THE DIRECT-USE TASK GROUP.docx 15.4 KB](#) • [Download](#)

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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Process Rule Comments Filed Today
Date: Monday, March 5, 2018 4:28:17 PM

Attached is a copy of the joint APGA/AGA Process Rule comments that were filed at DOE today. I know many of you provided excellent input into the comments. Thanks again for your assistance! Dave



[APGA-AGA Process Rule RFI Comments.pdf 97.6 KB](#) • [Download](#)



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Powerpoint slides from yesterday's Electrification Webinar
Date: Wednesday, March 21, 2018 4:28:43 PM

As discussed on today's call, attached are the powerpoint slides from yesterday's webinar.



[Mar-2c 19 2018 LCOE Presenation Dan.pdf 432 KB](#) • [Download](#)



[Consumer Impacts of Electrification - 3-16-18.pdf 768 KB](#) • [Download](#)



[APGA Electrification Webinar 3 20 18_NGVA.pdf 3.35 MB](#) • [Download](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Power companies have resisted climate policy. Now it might be their only hope. - Vox
Date: Tuesday, March 13, 2018 7:10:58 PM

<https://www.vox.com/energy-and-environment/2018/3/13/17108590/utilities-electrify-everything>

Excerpts:

- Electrify everything, for the uninitiated, is a strategy for tackling climate change: Since we know how to generate carbon-free electricity, we should get as much stuff as possible hooked up to the grid. (It's also called "beneficial electrification" — see [this report](#) from the Regulatory Assistance Project.)
- The only way to do that is to move a lot of energy applications that currently use fossil fuel combustion — like transportation, heating, and cooling — over to electricity, onto the grid.



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From: [Daniel Lapato \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Op-Ed Discussing Why the Divestment of Fossil Fuel Companies is Irresponsible
Date: Friday, February 2, 2018 2:39:09 PM

Committee members,

This year we have been working to attract national thought leaders to speak at the [End Use of Natural Gas Symposium](#). I want to highlight one of those presenters. Laura Schepis is the Executive Director of The Partnership for Affordable Clean Energy (PACE). She will be discussing the benefits of consumer energy choice and I wanted to share with everyone her op-ed that was published yesterday in the *Morning Consult*.

We all have read articles where environmental activists, driven by ideology and a complete lack of understanding of financial markets and energy policy are pressuring citizens, public officials and corporate boards to abandon investing in various energy companies.

Her piece titled [“Trading Away Common Sense Through Energy Divestment and Defunding”](#) does a great job outlining why the divestment of profitable fossil fuel energy companies is not only a bad financial decision but is also harmful to the environment.

Cut and paste this link into your browser;

<https://morningconsult.com/opinions/trading-away-common-sense-energy-divestment-defunding/>

This year the American Public Gas Association, the American Gas Association, the Southern Gas Association, the Energy Solution Center, and NGVAmerica are excited about co-hosting the 2018 End Use of Natural Gas Symposium. It will be held April 3-5 at the Sheraton Bay Point Resort in Panama City, FL.

This event features presentations on the policy and politics affecting the natural gas end-use markets. Our goal is to have a national conversation about the challenges and opportunities our industry is facing. The symposium will highlight research on using natural gas in the residential and commercial markets to alleviate the mounting pressure on the electric grid, our efforts to educate and protect our customer’s ability to choice their energy and our continuous efforts to improve natural gas equipment and building technologies.

Please don’t hesitate to contact me if you have any questions.

Thank you,
Dan



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) OMB 2017 Draft Report to Congress on the Benefits and Costs of Federal Regulations
Date: Wednesday, February 28, 2018 9:48:39 AM

Actually, it's an OIRA report, but since it's technically still a draft it isn't shown here:
https://obamawhitehouse.archives.gov/omb/inforeg_regpol_reports_congress/

Regardless, mass media, like Bloomberg's reports: "[Benefits of Regulations Far Exceed Costs](#)" Sophie Miller and her boss, Susan Dudley put out cautionary articles about jumping to such conclusions:

- <https://regulatorystudies.columbian.gwu.edu/omb-report-regulatory-costs-benefits-leaves-room-regulatory-reform>
- <https://www.forbes.com/sites/susandudley/2018/02/27/reading-past-the-headline-in-ombs-report-to-congress/#4ff0eda4671b>

There are lots of caveats, like OIRA **relied on agency numbers**. And lots of NOPR's didn't get included.

Table A-1 from the attached report lists, agency-by-agency, what made the cut. DOE's portion starts at page 66 and is limited to the following:

1. Energy Efficiency Standards for Commercial Warm Air Furnaces
2. Energy Efficiency Standards for Residential Dehumidifiers
3. Energy Efficiency Standards for Commercial and Industrial Pumps
4. Energy Efficiency Standards for Residential Boilers

So, basically, they reiterated agency claims and apparently ignored any of the problems we (collectively) brought to their attention many times.

Any opinion as to what we should try and do about it at this juncture?



[OMB draft_2017_cost_benefit_report.pdf 1.47 MB](#) • [Download](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) NREL (et. al.) Electrification Futures Study: End-Use Electric Technology Cost and Performance=0AProjections through 2050=0A
Date: Friday, January 26, 2018 2:37:37 PM

Go here

<https://www.nrel.gov/analysis/electrification-futures.html>

Then scroll down to box labeled **Just Released—December 2017**

"Primary funding support for the EFS is provided by the DOE Office of Energy Efficiency and Renewable Energy Office of Strategic Programs."

So who is willing to give us a book report?



[Electrification Futures Study-- End-Use Electric Technology Cost and Performance.pdf 5.04 MB](#) • [Download](#)



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Next DUTG Conference Call
Date: Wednesday, January 17, 2018 1:57:09 PM

The next DUTG conference call will be Wednesday, January 24th at 3pm eastern time. A draft agenda and call-in information will be sent out shortly. In addition, I will also send out a schedule of calls/meetings for 2018. Thanks, Dave



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From: [Daniel Lapato \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) New York State will propose the establishment of their own appliance efficiency standards
Date: Thursday, January 4, 2018 8:20:29 AM

On January 2nd Governor Andrew Cuomo, in connection with his State of the State address announced a plan to create new energy efficiency targets and appliance standards. He directed the state's Department of Public Service and the New York State Energy Research and Development Authority (NYSERDA) to propose new 2025 energy efficiency targets by Earth Day, April 22, 2018, and also announced the state's plans to develop new appliance efficiency standards for products not covered by federal standards, coordinating efforts with other states. For the natural gas industry we could see standards for things like natural gas fireplaces, gas lights and grills and a whole host of potential commercial equipment. This would not impact natural gas furnaces, water heaters, dyers or cooking equipment.

Here is the exert from his announcement pertaining to energy efficiency targets and the establishment of appliance efficiency standards;

"Establish New Energy Efficiency Target by Earth Day

In order to combat climate change, New Yorkers must increase the use of clean and renewable energy, but must also lower our overall energy consumption. Energy efficiency is a highly effective way to lower energy bills for New Yorkers and to meet New York State's nation-leading clean energy and environmental goals. With more than 110,000 New Yorkers employed in energy-efficiency related jobs, the industry is already a major component of New York's clean energy economy.

Building on the progress made through utility programs and cutting-edge work to reduce energy use in state facilities, Governor Cuomo launched the \$5 billion Clean Energy Fund in 2016 to support investment in energy efficient technologies. This initiative is already demonstrating significant progress across New York State, from Upstate farms and greenhouses to commercial buildings in Manhattan. These activities are expected to save New Yorkers a remarkable \$39 billion in energy costs over the next 10 years while significantly reducing greenhouse gas emissions.

However, much work remains to realize the full potential of energy efficiency for New Yorkers. Homeowners and renters often do not invest in comprehensive energy-saving upgrades due to high upfront costs or lack of knowledge about the financing and technology options that can save money over the long-term. And while significant innovation and growth have been achieved in the renewable energy industry in New York, energy efficiency has not been on the same trajectory towards greater energy savings and greenhouse gas reductions like solar and wind. Creating a more energy efficient New York will require effort across the board to attract greater investment and innovation in energy efficiency.

To address this, Governor Cuomo is directing the New York Department of Public Service and NYSERDA to:

- Engage stakeholders in the public and private sectors, and propose a comprehensive and far-reaching energy efficiency initiative by Earth Day, April 22, 2018;
- Propose a new 2025 energy efficiency target achieved through cost effective implementation strategies and innovative approaches from both utilities and the Clean Energy Fund, which will accelerate progress towards the state's ambitious climate and clean energy goals; and
- Identify opportunities by which state facilities can lead by example.

In addition, NYSERDA will propose the establishment of appliance efficiency standards, with support for implementation from the Clean Energy Fund. This strategy is proven to achieve significant energy savings and is a function recently abdicated by the federal government. As co-chair of the U.S. Climate Alliance, New York State will work with its partners in other states to help scale state-level appliance efficiency. Working through the U.S. Climate Alliance and with other partners, New York State will provide certainty to manufacturers that appliance efficiency standards must be met across the United States."



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) New Alliance to Save Energy report
Date: Tuesday, March 13, 2018 11:17:57 AM

I learned about in on Utility Dive:

<https://www.utilitydive.com/news/is-a-residential-three-part-rate-the-way-to-a-modern-grid-or-bad-news-for/518856/>

The ASE announcement is here:

[Alliance Proposes Updating Electricity Pricing to Enable Transition to Modern Grid](#)

The report is here:

[Forging a Path to the Modern Grid: Energy-Efficient Opportunities in Utility Rate Design,](#)

The upshot is a "blinding flash of the obvious:"

In order to finance its energy "manifest destiny" electric utilities will need to increase rates to pay for it all.



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) May in-person Meeting of the DUTG
Date: Friday, March 16, 2018 10:51:13 AM

A decision has been made to hold the DUTG meeting in conjunction with the upcoming APGA Board and Committee meetings. As a result, the meeting will be held on Wednesday, May 9th from 9am - 4pm. The meeting will be held at The Alexandrian Hotel (the location of our Board and Committee meetings). Additional information will be provided shortly.



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) ICC Code Hearings
Date: Friday, January 19, 2018 9:45:04 AM

A lot of you can vote...I can not as I am not a governmental official. If we want to stem the tide of outlandish code requirements from the energy efficiency zealots...we have to show up and vote. Thanks to Jim Ranfone at AGA for this info.

ICC Code Hearings Set for April 15-25 in Columbus, Ohio
Developing the next generation of the I-Codes®, including the International Fuel Gas Code (IFGC) is underway and you can [register now](#) for the International Code Council's 2018 Committee Action Hearings, Apr. 15–25 in Columbus Ohio. The I-Codes® are the most widely accepted model codes adopted in states and jurisdictions throughout the United States. The AGA BECS Committee has submitted 15 code change proposals to the IFGC and 5 to the International Fire Code to address ICC model code issues important to natural gas installations. AGA staff and BECS Committee members who serve on the IFGC Code Development Committee will be participating in the hearings and all BECS members are invited to participate to support the approval of the AGA code proposals. The Hearings are free to attend and offer building and fire code officials, architects, builders, engineers, designers, utility representatives an opportunity to provide input on proposed code changes to the 2018 Group A International Codes®.

International Building Code® (IBC®)—IBC-E, IBC-FS, IBC-G
International Fire Code® (IFC®)
International Fuel Gas Code® (IFGC®)
International Mechanical Code® (IMC®)
International Plumbing Code® (IPC®)
International Property Maintenance Code® (IPMC®)
International Private Sewage Disposal Code® (IPSDC®)
International Residential Code® (IRC®)—IRC-M, IRC-P
International Swimming Pool and Spa Code® (ISPSC®)
International Wildland-Urban Interface Code® (IWUIC®)
International Zoning Code® (IZC®)

See page 2 of the 2018/2019 Code Development Schedule for details on code chapters, notes and committee information for the Group A codes, [click here](#).

ICC Member Voting Requirements

All ICC Primary Representatives must validate their Governmental Member Voting Representatives by March 16th to participate in the online hearings assembly floor motion vote that follows the Committee Action Hearings. [Check voting status](#).

Additional Resources

For more information about the code development process, [click here](#).
For more information about cdpACCESS (used for online voting), visit



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) How to Build a Regulator-Approved Beneficial Electrification Program
Date: Tuesday, March 13, 2018 7:00:39 PM

<http://www.powermag.com/how-to-build-a-regulator-approved-beneficial-electrification-program/?linkId=100000001952618>

Authors:

Philip Mihlmester is an executive vice president at ICF, a global consulting provider, and **Bob DiBella** is a principal at ICF



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) House Energy and Commerce Committee hearing on DOE restructuring
Date: Saturday, January 6, 2018 5:11:16 PM

Tuesday at 10 am

<https://energycommerce.house.gov/news/press-release/next-week-subenergy-kick-off-doe-modernization-hearing-series/>



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Hearing on "DOE Modernization: Legislation Addressing Cybersecurity and Emergency Response," Subcommittee on Energy (March 14, 2018)
Date: Tuesday, March 13, 2018 2:29:33 PM

<https://democrats-energycommerce.house.gov/committee-activity/hearings/hearing-on-doe-modernization-legislation-addressing-cybersecurity-and>

<https://energycommerce.house.gov/hearings/doe-modernization-legislation-addressing-cybersecurity-emergency-response/>

Considering how I haven't seen one representative of gas utilities so far, I'm beginning to think the electric utility industry owns this committee



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From: [Rodney Dill \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) GTI UTD Meeting
Date: Tuesday, March 27, 2018 4:35:55 PM

The APGA Research Foundation GTI UTD representatives reported that electrification was a main topic at the March UTD meeting. A panel from Enbridge, National Fuel, Gas Natural Fenosa (Spain), and SoCal presented on the topic. Additionally, a GTI report, "Case Studies of Future Residential Natural Gas and Electrification Scenarios in Leading Low-Carbon Regions" was shared. The Authors include Bill Liss (GTI), Neil Leslie (GTI), and other GTI Project Engineers. Bill is scheduled to speak at the APGA End Use Natural Gas Symposium in Panama City in April, and the World Gas Conference. I've included the report for review, and I'm sure feedback would be welcomed. I think the report makes some good points - Rodney



[03201800.pdf 13.3 MB](#) • [Download](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Full Committee Hearing to Examine the Performance of the Electric Power System Under Certain Weather Conditions
Date: Monday, January 22, 2018 10:34:53 AM

the Senate is having its grid resiliency hearing tomorrow:
<https://www.energy.senate.gov/public/index.cfm/hearings-and-business-meetings?ID=9AEFC551-DFEC-450F-B0A9-15D23C90CA5F>

Is APGA involved? I'm consider re-purposing Spire's House comments for the Senate hearing. See attached.



[Spire Comments on Electric Grid Reliability FINAL.pdf 208 KB](#) • [Download](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) From White House: The plan to rebuild rural America
Date: Wednesday, February 21, 2018 11:18:55 AM

Looks like electricity gains and we don't. See highlighted text at page 2:



[Building a Stronger America_ Rural Infrastructure for the 21st Century.pdf 16.6 KB](#) • [Download](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Electrification articles at Public Utilities Fortnightly
Date: Friday, March 23, 2018 12:42:40 PM

I decided to search the site for articles pertaining to electrification. This was an eye-opener: 18 pages of hits for electrification articles.

<https://www.fortnightly.com/search/node/electrification?page=1>

On page 17, there is a reference about an article I wrote:

<https://www.fortnightly.com/fortnightly/1997/03/mailbag>



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Electricity from all forms of renewables will be consistently cheaper than fossil fuels by 2020
Date: Friday, March 30, 2018 11:33:28 AM

https://qz.com/1179753/by-2020-renewable-electricity-will-be-consistently-cheaper-than-fossil-fuel-power/?utm_source=Sailthru&utm_medium=email&utm_campaign=Newsletter%20Weekly%20Roundup:%20Utility%20Dive%201-20-2018&utm_term=Utility%20Dive%20Weekender

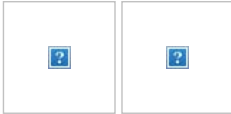
So says the head of the International Renewable Energy Agency (Irena), and the numbers can be found in [a new report](#) the agency released at its annual summit on Jan. 13 in Abu Dhabi.

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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Electric Rate Increases
Date: Monday, March 19, 2018 12:41:37 PM

I did some work in Tableau in response to WSJ article this a.m.
<https://www.wsj.com/articles/after-a-brief-reign-at-the-top-natural-gas-is-under-assault-1521378008>

The author, Erin Ailworth responded to my comment. I pointed out that they keep leaving cost out of their reporting. She pointed me to an older article where they wrote about wholesale prices declining, which is true. But, retail rates have gone up well above inflation. Will see if she responds to my retail info.

Here are screenshots from Tableau...blue is below CPI, orange is above. These use Avg Residential retail rates from EIA.



EIA 15 Year.png 291 KB • [Download](#)



EIA 10 Year.png 298 KB • [Download](#)



EIA 5 Year.png 285 KB • [Download](#)



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) EIA Energy Conference 6/4-5 in D.C.
Date: Thursday, March 8, 2018 11:25:53 AM

I'm registered for the EIA energy conference...I went last year and it was very good. Focus is mostly on Oil and Electricity, but its an opportunity to bring up natgas at every session and set the record straight. Also, I'm working closely with EIA administrator Linda Capuano and her team on improving their natgas and electricity price forecasts. They asked me to join their "supplemental working group on electricity" as they have realized (as I've pointed out to them for several years) that their forecast has been way wrong for a long time. They admitted that they need to focus more on electricity pricing, transmission costs, ancillary services and figure out why prices keep going up when their forecast says renewables are going to be too cheap to meter. See you in D.C. in early June!

<http://wxq47w.attendify.io/>



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) EERE propaganda of the day
Date: Tuesday, March 27, 2018 11:33:07 AM

[BUILDINGS AND THE GRID 101 Opportunities and Challenges from HVAC, Water Heating, and Appliances](#)

You should read it to find out what sort of stuff they plan on developing. Because once developed, this stuff is "technically feasible." Then EERE will likely try to show this stuff is life-cycle cost effective.

[2018 PEER REVIEW](#) April 30 – May 3, 2018
[Register Now for the 2018 BTO Peer Review](#)

We've been complaining out EERE's biased peer review for years now. Shouldn't a few of us attend to witness it?



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Draft Process Rule Comments
Date: Tuesday, February 20, 2018 9:06:51 AM

As previously communicated, APGA and AGA have been working on joint comments to DOE in regard to the RFI on the Process Rule. A draft of the comments is attached. The deadline for submitting comments is March 2nd so please get us any thoughts/revisions you may have by COB on February 28th to allow time to incorporate the revisions. Thanks, Dave

 [APGA-AGA Process Rule RFI Comments - Draft.docx 44.9 KB](#) • [Download](#)



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Draft Minutes from Wednesday's Conference Call
Date: Friday, January 26, 2018 12:44:10 PM

Attached are draft minutes from Wednesday's DUTG Conference Call. Please feel free to make any revisions, thanks, Dave

 [Minutes for the January 24th 2018 conference call.docx 21.1 KB](#) • [Download](#)

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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Draft Minutes from Last Week's DUTG Conference Call
Date: Monday, February 26, 2018 3:03:46 PM

Attached for your review and edits are draft minutes from last week's conference call. Thanks, Dave

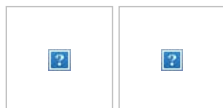
 [MINUTES FOR THE FEBRUARY 2018 CONFERENCE CALL OF THE DIRECT-USE TASK GROUP.docx 18.6 KB](#) • [Download](#)

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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Draft Comments for DOE Public Meeting
Date: Wednesday, January 3, 2018 10:07:54 AM

Arthur Corbin will be making an opening statement at the DOE meeting scheduled for January 9th on the Request for Information (RFI) seeking comments and information to assist DOE in identifying potential modifications to its "Process Rule" for the development of appliance standards. A draft opening statement is attached for your review. Please feel free to make any revisions. We need to get this to DOE by 9am on Monday. Thanks, Dave

 [Draft opening comments for DOE public mtg 1 9 2018 Revised.docx 19.3 KB](#) • [Download](#)



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Draft APGA Submitted Testimony for House Energy and Commerce Committee Hearing on the State of the Nation's Energy Infrastructure
Date: Monday, February 26, 2018 2:58:04 PM

Tomorrow, the House Energy and Commerce Subcommittee on Energy will hold a hearing on the State of the Nation's Energy Infrastructure. The hearing will explore challenges and opportunities related to the maintenance, modernization, and development of energy infrastructure. APGA plans to submit testimony, a draft is attached. The testimony reiterates many of the arguments we raised in testimony we submitted to a similar hearing earlier this month in the Senate Energy and Natural Resources Committee.

 [Draft House Testimony on Energy Infrastructure 2_26_2018 V.1.docx 35.4 KB](#) • [Download](#)

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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Draft Agenda for Next Wednesday's DUTG Conference Call
Date: Tuesday, March 13, 2018 8:23:59 AM

Attached is a draft agenda for the conference call scheduled for next Wednesday, March 21st at 3pm eastern time. Please let me know if you have any revisions to the agenda. To participate in the call, please dial 1-800-582-3014 and the passcode is 828590281#. Minutes from last month's call have been posted on the message board and are also available in the Minutes Folder in the documents section of Basecamp. Dave

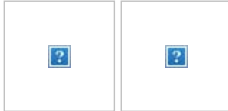
 [AGENDA FOR THE MARCH 2018 CONFERENCE CALL OF THE DIRECT-USE TASK GROUP.docx 15.6 KB](#) • [Download](#)

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From: [Daniel Lapato \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) DOE has issued an Extension Pertaining to the RFI on the Process Rule
Date: Friday, February 2, 2018 12:40:13 PM

The DOE has issued an Extension to the comment period for the RFI on the Process Rule for Developing Appliance Efficiency Standards. The comment period has been extended until March 2, 2018. A copy of the announcement is include below.

APGA is in the process on developing draft comments and will be soliciting APGA and DUTG membership input shortly.

Please don't hesitate to contact me if you have any questions.

Thank you,
Dan



[process-rule-extension pre-publication notice.pdf 108 KB](#) • [Download](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Department of Energy Announces \$10 Million for Combined Heat and Power Technology Research to Provide Cost-Effective Support to the Electric Grid
Date: Friday, February 23, 2018 11:43:33 AM

This just in:

<https://energy.gov/eere/articles/department-energy-announces-10-million-combined-heat-and-power-technology-research>



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To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Department of Energy Announces \$10 Million for Combined Heat and Power Technology Research to Provide Cost-Effective Support to the Electric Grid
Date: Friday, February 23, 2018 11:43:33 AM

This just in:

<https://energy.gov/eere/articles/department-energy-announces-10-million-combined-heat-and-power-technology-research>



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Cost of renewables hit families hardest
Date: Monday, January 8, 2018 11:40:24 AM

<https://www.zerohedge.com/news/2018-01-06/can-we-afford-renewable-energy>

Even though the data if for the EU, it's another example of sticking it to families that could easily happen here (if it isn't already).



[renewables hit families hardest.jpg](#) 106 KB • [Download](#)



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Christmas Light Bill?
Date: Thursday, January 18, 2018 10:21:45 AM

Saw this in ASHRAE government affairs email. Sounds like a Dem actually got EPCA ammended. Then again, who would vote against Christmas?

Christmas Light Legislation

The *EPS Improvement Act of 2017*, which is also known as "the Christmas Light Bill", was signed into law by President Trump on January 12. The legislation changes how LED bulbs, OLED bulbs, and power ceiling fans that use direct current motors are categorized by Energy Policy Act of 2005 by amending the Energy Policy and Conservation Act (EPCA). As a result, some products are excluded from energy conservation standards. The bill was originally introduced by Rep. Diana DeGette (D-CO).



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Cavanagh vs. Moeller: Rumble in the Jungle
Date: Friday, March 23, 2018 1:07:26 PM

The "debate" between NRDC and EEI (which was really a pact for electrification) was videotaped here:

<https://www.fortnightly.com/today-from-puf/cavanagh-vs-moeller-rumble-jungle>



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) California Will Be First State to Mandate Net Zero New Homes in 2020
Date: Thursday, March 1, 2018 9:19:09 AM

<https://codewatcher.us/better-than-code/california-will-be-first-state-to-mandate-net-zero-new-homes-in-2020/>

A couple of points:

1. I believe it is safe to say that net zero energy is no longer "inspirational"
2. This is from a new pro-code advocacy web site



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From: [John Gregg \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) California Could Legislate This Year to End New Gas Appliances in 2030
Date: Wednesday, March 14, 2018 9:36:43 AM

If passed, House Bill AB 3232 would put into motion the creation by January 1, 2020, of a plan by the state's Energy Commission to achieve the goal of zero-emission buildings built on or after January 1, 2030, to be . As the strategy would be to reduce building stock emissions to 50 percent below the 1990 levels by January 1, 2030, that likely could lead to an outright ban on gas appliance installations. Utilities would monitor and report GHG emissions. This rigorous step is being proposed although direct emissions from the combustion of fossil fuels in buildings, primarily for space and water heating, accounts for at most 10% of all emissions of greenhouse gases in California.



[20170AB3232_99.pdf](#) 181 KB • [Download](#)



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Brattle: NEW SOURCES OF UTILITY GROWTH=0AElectrification Opportunities and Challenges
Date: Tuesday, March 13, 2018 7:05:16 PM

http://files.brattle.com/files/13526_new_sources_of_utility_growth_-_electrification_opportunities_and_challenges.pdf



[Brattle_new_sources_of_utility_growth_electrification_opportunities_and_challenges.pdf](#) 5.89 MB •

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From: [Daniel Lapato \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) APGA to Host an Electrification Webinar
Date: Monday, March 12, 2018 1:57:45 PM

Electrification Webinar Announcement

As our industry continues to grapple with the ideologically driven electrification movement APGA, AGA and NGV America have been focused on how to better tell the story of natural gas and why it is important to the community. Please join us for our Electrification Webinar on March 20th at 1:00 pm EST.

[Click here to register for the free electrification webinar.](#)

We will hear short presentations from the American Gas Association, NGV America and APGA on the work each association is doing to help educate the public and policymakers on the important role the direct use of natural gas is playing in our homes and businesses.

The webinar is free to join and open to APGA, SGA, NGV America and AGA members. If you have any questions on the webinar or APGA's efforts to educate the public on the direct use of natural gas please contact me.

Thank you,
Dan



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From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) APGA Sends Letter to the CPUC in Response to Proposed Natural Gas Moratorium
Date: Thursday, February 8, 2018 3:48:28 PM

Today, APGA sent a letter to the California Public Utilities Commission addressing a proposed moratorium on new commercial and industrial natural gas service connections in Los Angeles County. A copy of the letter is below. I apologize that we did not run a draft of the letter through the complete DUTG but a decision was made quickly by APGA leadership to respond to the CPUC today (the day they are meeting to consider the moratorium) so we needed a quick turn around on the letter.



[CPUC Letter.pdf 114 KB](#) • [Download](#)



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From: [Jim Moore \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Ancillary Services
Date: Friday, February 16, 2018 10:02:21 AM

I have been commenting on articles making claims that wind and solar are cheaper than any other generation source often over the past couple months. I push back along the lines that these claims do not include all the costs. You have to include T&D costs and Ancillary services cost. If you include those, renewables are arguably double or triple the cost of natgas generation. I have been looking closer at ancillary services and would like some of you that are involved in electric systems to give me feedback.

I put ancillary services into 4 buckets:

Voltage support—Local solar can provide voltage support...wind in Kansas does not provide voltage support in STL.

VAR support—wind can provide VAR as it is rotational machinery, but not if its 1000 miles away. Solar? From what I have been reading, solar can provide VAR, but only if it has advanced inverters and is run uneconomically.

Frequency response—Wind yes, but not if its remote. Solar? I've seen some articles claiming that it can not...I've seen others, primarily Cali ISO, that claim it can. Again, maybe it can with more advanced inverters and if run uneconomically.

Reliability margin—Most ISOs and NERC regions have traditionally used 15% RM requirement. Any generation that is available can provide RM. You cannot rely on the wind for RM...solar with battery backup would work for short duration, but at a cost dramatically higher than traditional generation.

Those are my thoughts...I'm curious what others that are currently involved with ISOs think.

Lastly, this is from a CAISO paper, emphasis is mine:

https://www.aiso.com/Documents/IssuePaper_FrequencyResponse.pdf

There are several logical reasons why frequency response is declining. Among them are:

- Steam turbine-generators operating on traditional “sliding pressure” control;
- **Significant penetration of non-traditional generation, primarily wind and solar generation;**
- Proportionally fewer frequency-responsive large motor loads, as the US becomes less of an industrial economy;
- Variable speed drives on motors do not provide traditional load damping;
- Some combustion turbine generator designs actually have a positive frequency characteristic, i.e., their output MWs go down when frequency drops. As frequency drops, turbine and compressor speeds drop, airflow decreases, with

correspondingly less available for combustion. The manufacturer intentionally reduces fuel input when frequency drops to prevent overheating. This phenomenon reportedly contributed to a blackout in Malaysia in 1996;

- Generators having less inertia (less mass per MW of output);
- Fewer resources are carrying frequency responsive spinning reserves as the rules for the distribution of reserves have been relaxed; and
- Power plant control interaction removing or withdrawing governor action due to outer loop control which may be due to focus on plant performance with generation set points



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From: [Mark Krebs \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) AN ENERGY REVOLUTION – US Secretary of Energy, Rick Perry, talks to American Gas and highlights the benefits of WGC 2018 – World Gas Conference 2018
Date: Friday, January 26, 2018 10:21:20 AM

<https://wgc2018.com/us-energy-secretary-rick-perrys-viewpoint-on-an-energy-revolution/>

This is a few months old now but still relevant. At the end of the article is a link:

[Found out more from the full interview here.](#)

Source: American Gas Magazine – October 2017

I've also attached the full interview as a PDF but the most important part is this:



[image.png 62.6 KB • Download](#)



[image.png 16.1 KB • Download](#)



[An Energy Revolution -- Rick Perry interview by AGA magazine.pdf 3.8 MB • Download](#)



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




From: [Dave Schryver \(Basecamp\)](#)
To: [Kearney, David B. - City Attorney](#)
Subject: (APGA Direct-Use Task Group) Agenda for Wednesday's DUTG Conference Call
Date: Monday, January 22, 2018 4:20:41 PM

Attached is a draft agenda for the 3pm eastern time conference call of the Direct Use Task Group scheduled for Wednesday, January 24th. Please let me know if you have any revisions. To participate in the conference call, please dial 1-800-582-3014 and the passcode is 828590281#.

 [AGENDA FOR THE JANUARY 2018 CONFERENCE CALL OF THE DIRECT-USE TASK GROUP.docx](#) 15.4 KB • [Download](#)

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