

From: Laura Richardson [<mailto:lrichardson@jordaninstitute.org>]
Sent: Tuesday, December 03, 2013 12:05 PM
To: Bernstein, Barbara
Subject: Re: FW: latest update and your recommendations please!!

Hi Barbara,
Here are my answers to these questions. I will answer in the text in **dark red**.
~Laura

Should the following portions of a project be covered by this rebate plan?

A) If someone needs long piping runs to join together two boiler rooms (for example: where one is being disabled and all heat will come from the other where the pellet boiler is).

Rebate should cover infrastructure up to the heating distribution system. So, if the pipe could be considered part of the distribution system than it would not qualify for the incentive.

B) If a boiler is installed but heat distribution requires forced hot air should the rebate cover a new air handler with water to air heat exchanger in it? **No**. Should the rebate cover the cost of retrofitting an existing furnace with a water to air heat exchanger?

No.

C) Should the rebate cover the cost of reworking a hydronic heat distribution system where a new distribution loop is installed in the boiler room with new pump circulators and the addition of closely spaced tees, valves, etc... for the primary pellet boiler(s) and the existing (or new) back up boiler.

No.

D) Should the rebate cover the cost of a new back up boiler which is integrated into the new system that uses electricity, propane, oil or other fossil fuel fuel? **No**.

Hope that helps!

~Laura

Laura Richardson

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On Tue, Dec 3, 2013 at 10:31 AM, Bernstein, Barbara <Barbara.Bernstein@puc.nh.gov> wrote:

The only response I received.

Barbara Bernstein
Sustainable Energy Division
NH Public Utilities Commission
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Barbara.bernstein@puc.nh.gov

From: Scott Nichols [<mailto:scott@tarmusa.com>]
Sent: Wednesday, November 27, 2013 3:12 PM
To: Bernstein, Barbara
Subject: RE: latest update and your recommendations please!!

Hello Barbara,

I think that the questions the installer asks are reasonable, but I am not sure how the PUC can police such things. By the way, amongst the folks on your list, we could come up with another 100 scenarios to question. It could be argued that most system upgrades will also improve the operation of a pellet boiler or utilize that boiler more fully. For that reason, it could be argued that all of the installations examples the installer provides should be part of a rebate. Therefore, determining what exact upgrades are material to the new renewable energy source and which are superfluous is a slippery slope that I would suggest you don't try to scale. The percentage of the job cost and cap require the applicant to expend for a significant portion of the job cost. That alone should keep honest people honest. Those who are dishonest will be hard to stop regardless of the rules you write.

Feeling good about wood,

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From: Bernstein, Barbara [<mailto:Barbara.Bernstein@puc.nh.gov>]
Sent: Wednesday, November 27, 2013 1:32 PM
To: aaron@plumbperfectplumbing.com; allin1Plumbingnheating@yahoo.com; Andrew

Boutin; andrew@2kearthandwater.com; Brian Villeneuve; Charlie Niebling (niebling@inrslc.com); Dutch Dresser; egs65@hotmail.com; Heather Fournier; idealtmphvac@yahoo.com; info@easededges.com; jabbott@worldpath.net; Jack Bingham; jeff@wilderph.com; Jim Van Valkenburgh ; Julie Shute (neof@comcast.net); Laura Richardson (lrichardson@jordaninstitute.org); marc@hydro-to-heat-converto.com; mark@froilingenergy.com; martinsmechanical@comcast.net; Maura Adams (madams@northernforest.org); mike@cardhvac.com; Morton F. Bailey (lghbailey@gmail.com); newarkvt@gmail.com; newarkvt@gmail.com; Pablo Fleishman (geo@usasolarstore.com); pat@revisionheat.com; Peter Donohoe (pdonohoe3@msn.com); Peter Martin (commonsenseheating@comcast.net); pinney@webryders.net; rcaplumber@yahoo.com; Scott Nichols (scott@woodboilers.com); Skip Bennett; stagepotato@netscape.net; steve@paradigmph.com; Steven Babin (stevenbabin@gmail.com); Ted Fountain (20sawmillrd@gmail.com); thibodeausheating@yahoo.com

Subject: latest update and your recommendations please!!

I have attached the latest DRAFT version of the Step 1 application for the proposed non-residential bulk-fuel fed wood pellet boiler and furnace rebate program. I appreciate all the time many of you have offered to review the application and provide input on the program. Your expertise and insight has already improved the application and will certainly strengthen the program.

I had an email this morning from an installer that raised a number of questions and I would greatly appreciate your input:

Should the following portions of a project be covered by this rebate plan?

- A) If someone needs long piping runs to join together two boiler rooms (for example: where one is being disabled and all heat will come from the other where the pellet boiler is).
- B) If a boiler is installed but heat distribution requires forced hot air should the rebate cover a new air handler with water to air heat exchanger in it? Should the rebate cover the cost of retrofitting an existing furnace with a water to air heat exchanger?
- C) Should the rebate cover the cost of reworking a hydronic heat distribution system where a new distribution loop is installed in the boiler room with new pump circulators and the addition of closely spaced tees, valves, etc... for the primary pellet boiler(s) and the existing (or new) back up boiler.
- D) Should the rebate cover the cost of a new back up boiler which is integrated into the new system that uses electricity, propane, oil or other fossil fuel fuel?

Happy Thanksgiving!

Barbara Bernstein
Sustainable Energy Division
NH Public Utilities Commission