

Jennifer Elwell

From: Dan Bonetti <dbonetti@bonettilumbing.com>
Sent: Monday, November 1, 2021 11:01 AM
To: Jennifer Elwell
Subject: Rules 9-4 and 9-6 Building Appliances

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Jennifer

As a plumbing contractor and a homeowner in the Bay Area I am highly against this. Requiring all replacement water heaters and furnaces in homes or small business to go from natural gas to electric will be a very costly expense. With the current economy a standard replacement of a typical 40 / 50 gallon water heater has gone up several hundreds of dollars to the end user. We have had price increases on water heaters twice this year alone and with the cost of gasoline for trucks our hourly prices will be going up a second time this year. We have had to increase the hourly wage rate we pay our employees to get them to come back to work. PG&E currently is asking for us to use less electric or do laundry at night. And with all the new homes and new vehicles be mandated to be electric I don't see how PG&E will be able to supply the additional needed power of all of these current changes let alone your suggested changes.

To replace current gas water heaters to all electric will require the following.

- A new dedicated electrical circuit from the electrical panel to the heater location. Depending on how far the heater is from the panel could cost an additional \$500 - \$1,000
- If the existing panel is older homes do not have remove in the panel for an additional circuit break the entire panel would need to be removed and upgraded. Cost \$1,500 +
- If the new heater is heat pump heater type an additional drain from the condensate would need to be added and a safe location for it dip into, unlike a T&P from a gas heater that is allowed to discharge onto a walkway a condensate is not allowed. Cost \$150 - \$500
- Cost increase of a heat pump water heater over a standard gas water heater is currently \$800

So to change from a standard gas water heater to an electric heat pump water heater will cost the homeowner a minimum of an additional \$1,450.00 and as much as \$3,800.00 on top of the current \$1,800.00. So the cost will increase from \$1,800.00 currently up to \$3,250.00 and as much as \$5,600.00 + permits fees that range from \$100.00 to \$350.00.

Please reconsider not going forward with this plan.

Sincerely,

Daniel Bonetti | *Vice President*

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