

From: Court Olson <colson@optimumbldg.com>
Sent: Thursday, June 16, 2022 2:28 PM
To: DES SBCC <sbcc@des.wa.gov>
Subject: Electrification requirements in the Residential Code update

External Email

Hello Building Code Council Members.

I'm writing to voice strong support for a Residential Code update that would eliminate the use of fossil ("natural") gas equipment in new residences. In brief:

1. Ongoing use of fossil gas is doing great harm to the climate and ecosystems worldwide, so we must avoid its future use.
2. In new home construction it is easy and cost effective (even in winter) to use heat pump technology for space heating and water heating, and to also use electric induction stove tops for cooking.

Thank you for your attention to this critically important aspect of the Residential Code update.

FYI, here is a summary of my related expertise in this arena:

- Three college degrees in Civil Engineering, Construction Science, and Construction Management.
- Two decades of experience in overseeing the design and construction of high performance commercial buildings.
- Accredited LEED ap bd+c
- In 2017 I completed a week-long intensive course in Passive House design.
- From 2018 through 2021 I oversaw the design and phased construction of a deep efficiency and full electrification renovation of my personal residence, including: major envelope weatherization improvements, conversion to heat pump space heating, an added energy recovery ventilation system, conversion to a heat pump water heater, and conversion to an induction stove top.

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