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To: PUC - Clerk <PUC.Clerk@vermont.gov>
Subject: Geothermal

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Good morning Commissioners,

My name is Kevin Downey, a retiree in Wilmington, Vt. I'm writing to suggest a deep discussion about utilizing geothermal heat pumps into the power plan you are debating. This technology has been under utilized in my view for way too long. Back in '08 when gasoline 1st hit \$4/gal. I installed a heat pump and it has worked very well for 16 years. In those 16 years, instead of 7 maybe 8 fuel deliveries per winter season(16x7=112 deliveries), I don't get any. I take that back; I used to heat with a propane hot water system, that included our propane fueled stove, so I have had deliveries; 2 in 16 years to refill from cooking. My opinion is that any new construction from now going forward should NOT install any fossil fuel heating system when a fuel less non burning technology is available, especially Factory or Industrial construction projects that use copious gallonage of fossils that continue to foul our atmosphere around the world. While my company never did accomplish what we aimed to do with geothermal power generation, Ms Cheney on your board may remember me and David Reynolds presenting our plan to the Natural Resources Committee in the Vermont Statehouse. Our inability to push geothermal power plants didn't deter me from promoting geothermal as a heating source for homes and businesses. Please consider this simple yet amazing technology that can help reduce our State's carbon footprint. Thank-you for your time, Commissioners; if you'd like to continue this conversation, don't hesitate to respond.

Sincerely,
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