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On Behalf Of:

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Any and all blended hydrogen and natural gas products should be looked at very closely. Not only are such blended gases more explosive, but they may lead to more nitrogen oxide emissions. I have had pneumonia multiple times and would choose not to use a blend that is more noxious.

Turquoise hydrogen is made from methane feed stocks; from gas extraction and production, the leakage is significant. There is more 90 times more heat trapped by methane than CO<sub>2</sub>. When it is burned, it also produces CO<sub>2</sub>, but the blended gas product has a lower energy content and may damage pipes. At higher hydrogen levels, there may be pipe damage. With a 15% mix, new pipelines would have to be laid at a cost of \$239K/mile. Presumably, lines from the meter to the house and to interior appliances would also have to be replaced. Right now NW Natural is acting without oversight, accountability, or transparency. The expenses are being incurred without the ratepayers' knowledge or consent, although we are paying for this experiment.

This experiment is meant to increase our use of fossil fuels when we should be investing in clean energy. Using hydrogen with the LNG supply is expensive, dangerous, unhealthy, and it contributes to the climate crisis that threatens our very existence on Earth. We need to wake up and stop supporting incentives for buying gas appliances. We know that gas is just another fossil fuel that is causing the earth to heat up. We have already reached the 1.5 degrees C that was our upper limit. We are seeing drought conditions, wildfires, and flooding increase in intensity and frequency.

With billions of dollars in damages multiple times a year, we just can't afford these experiments.