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To: DES SBCC <sbcc@des.wa.gov>
Subject: Proposals 21-GP1-103 & 21-GP1-136

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I encourage a "NO" vote on code proposals 21-GP1-103 and 21-GPI-136. Here are important points to consider:

- Fact: All electric homes have no back-up source of heating [space or water] in loss of power events.
- Fact: In extreme emergency situations the local government asks home-owners to boil their water to render it potable. An all electric home, in a loss of power event, will have no way to boil water.
- Fact: natural gas appliances have an efficiency range of 80% - 95% for in-home use. However - By the time the natural gas derived electricity is generated and transmitted to your home the operation net efficiency is only 40% to 50%. *Source - NWPBA Balanced Energy Toolbox.*
- *Fact - a therm of natural gas is 2.6 times less expensive than an equal amount of electricity. This will affect lower income households significantly.*
- Fact: 44.11 % of electricity* produced in the State of Washington comes from the burning of fossil fuels [Coal - 24.63%, Natural Gas - 19.48%] *[Source: Washington State Electric Utility Fuel Mix Disclosure Report](#)
- Fact: 69.73% of carbon emissions from electricity generation is from Coal. Forcing homes off of natural gas will only increase the carbon emissions from coal powered electric plants. *Source: [Washington State Electric Utility Fuel Mix Disclosure Report](#)*
- Fact: Puget Sound Energy derives the majority of its electrical production from fossil fuels - 35% from coal and 31% from natural gas. *Source: <https://www.pse.com/pages/energy-supply/electric-supply>*

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