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Subject: Washington State UTC
Docket UE-210829

The proposed actions by UTC, relative to the objectives of 'Clean Energy', are of significant (if not grave) concern to me, and many others I have spoken with. As a Professional Electrical Engineer, with significant experience in the conversion and control of Power and Energy, I well understand the physics of these areas.

Energy, for producing the Power necessary, for applications such as heating, transportation, agriculture, industry, etc, should be of utmost concern for both users and providers. However – it is impractical to expect to utilize Wind Turbines and Voltaic Solar systems to satisfy these objectives. Neither are sources of Energy. Each are simply diluted and intermittent sources of Power – and even then, they are limited by geographical location.

The Base Load of the electrical grid is supported solely by large scale (number and per-unit-size) steam or hydro turbine-driven AC generators. The Energy, fueling the conversion of this Power, being; fossil fuels, hydro ponds, and uranium.

Power contributions from Wind Turbines and Voltaic Solar systems have their place. However, they are not sources of Energy and, for many reasons, can not sustain the Power required to support the grid.

Thank You for 'Listening'

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