

**Antonia Hover**

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**From:** Betty Leland  
**Sent:** Friday, May 24, 2024 3:37 PM  
**To:** Commissioner Correspondence  
**Subject:** FW: In Rust We Trust

Good Afternoon:

Please place this email in Docket #20240000.

Thanks.

Betty A. Leland, Executive Assistant to  
Commissioner Art Graham  
Florida Public Service Commission  
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(850) 413-6024

**From:** kksutherla@aol.com <kksutherla@aol.com>  
**Sent:** Friday, May 24, 2024 1:43 PM  
**To:** Office of Commissioner Graham <Commissioner.Graham@PSC.STATE.FL.US>  
**Subject:** In Rust We Trust

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Dear Commissioner Graham,

I'm a physician who fears for my family in a warming world.

Economists say that if the price of grid storage drops to \$20/kWh, fossil fuels will not be competitive with renewables. That is now on the verge of happening with a battery based on rust!

<https://singularityhub.com/2023/01/11/form-energys-new-factory-will-churn-out-iron-air-batteries-for-grid-scale-storage/>

Form Energy's iron-air battery offers low cost (\$20/kWh), long duration (100-150 hours), safety (non-flammable), and recyclability. All of these are key advantages over lithium-ion batteries for grid-scale energy storage. It can store energy for 100 hrs. However, it has lower efficiency (50% vs. 95%), slower charging, and larger size/weight than lithium batteries.

Although rust batteries are less efficient (50% vs. 95%), that doesn't matter in places like California and Texas, where there is a surplus of renewable energy. And as solar and wind get cheaper, there will be more and more states in this situation.

The upshot? New fossil fuel infrastructure is a bad investment - not just for ecologically, but financially. No new fossil fuel infrastructure, period!

Sincerely,

Katherine Sutherland, MD

Winter Haven, Florida

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