

**Charlie Smith**

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**From:** Office of Commissioner Passidomo  
**Sent:** Wednesday, May 29, 2024 4:14 PM  
**To:** Commissioner Correspondence  
**Subject:** Docket No. 20240000  
**Attachments:** In Rust We Trust

Please place the attached in Docket No. 20240000.

Thank you!

## Charlie Smith

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**From:** Rachael Ignatoff <rachymom@comcast.net>  
**Sent:** Wednesday, May 29, 2024 3:37 PM  
**To:** Office of Commissioner Passidomo  
**Subject:** In Rust We Trust

CAUTION: This email originated from outside your organization. Exercise caution when opening attachments or clicking links, especially from unknown senders.

Dear [RecipientTitle] Passidomo,

I'm a mother who just wants a livable future for me and my generation.

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://linkprotect.cudasvc.com/url?a=https%3a%2f%2fsingularityhub.com%2f2023%2f01%2f11%2fform-energys-new-factory-will-churn-out-iron-air-batteries-for-grid-scale-storage%2f&c=E,1,VWAawqBjBdD-Kl2q3Y0Wv4UB409Xz413V2vWPF\\_DKvQl1MbtfJSfk4yq5-rqrLYuiMgk4\\_WIGw1-kN2k7Yu0qCw60YYxnllAA9Du6CLX&typo=1](https://linkprotect.cudasvc.com/url?a=https%3a%2f%2fsingularityhub.com%2f2023%2f01%2f11%2fform-energys-new-factory-will-churn-out-iron-air-batteries-for-grid-scale-storage%2f&c=E,1,VWAawqBjBdD-Kl2q3Y0Wv4UB409Xz413V2vWPF_DKvQl1MbtfJSfk4yq5-rqrLYuiMgk4_WIGw1-kN2k7Yu0qCw60YYxnllAA9Du6CLX&typo=1)

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,

Rachael Ignatoff

Boca Raton, Florida

Sent from my iPhone