

Hong Wang

From: Office of Commissioner Passidomo
Sent: Friday, May 24, 2024 4:54 PM
To: Commissioner Correspondence
Subject: Docket No. 20240000
Attachments: In Rust We Trust

Please place the attached in Docket No. 20240000.

Thank you!

Hong Wang

From: kksutherla@aol.com
Sent: Friday, May 24, 2024 1:43 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 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

Sent from AOL on Android