

Antonia Hover

From: Office of Commissioner Passidomo
Sent: Tuesday, May 28, 2024 2:34 PM
To: Commissioner Correspondence
Subject: Docket No. 20240000
Attachments: In Rust We Trust

Please place the attached in Docket No. 20240000.

Thank you!

Antonia Hover

From: Corinne Woodland <woodlandcorinne@gmail.com>
Sent: Tuesday, May 28, 2024 2:07 PM
To: Office of Commissioner Passidomo
Subject: In Rust We Trust

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Dear Commissioner Passidomo,

I'm a mother 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://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,UEkGA2_l1JySgzHGGu9iJAFENYGrLdmutVAt5hHa6UK4Eo5ms3Gp4nOin-SE0OqmDG_phSIOrjXRU_C5WV29kIU-ER_5RDCITelRkMqz1D-lh&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,

Corinne Woodland

Bradenton, Florida

Sent from my iPhone