

Hiep Nguyen

From: Office of Commissioner Passidomo
Sent: Monday, June 3, 2024 8:37 AM
To: Commissioner Correspondence
Subject: Docket No. 20240000
Attachments: In Rust We Trust

Please place the attached in Docket No. 20240000.

Thank you!

Hiep Nguyen

From: dd dd <jrmbnym95@gmail.com>
Sent: Sunday, June 2, 2024 1:13 PM
To: Office of Commissioner Passidomo
Subject: In Rust We Trust

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Dear Commissioner Passidomo,

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.

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,

R B

Palm Bay, Florida