

Antonia Hover

From: Hannah Barker
Sent: Tuesday, May 28, 2024 10:31 AM
To: Commissioner Correspondence
Subject: Docket Correspondence
Attachments: In Rust We Trust; In Rust We Trust

Good morning,

Please place the attached emails in Docket No. 20240000. Thank you!

Hannah E. Branum
Executive Assistant to Commissioner Clark
Florida Public Service Commission
2540 Shumard Oak Blvd.
Tallahassee, FL 32399
(850) 413-6004



Antonia Hover

From: Leslie Frick <the.fricks@me.com>
Sent: Saturday, May 25, 2024 10:29 AM
To: Office of Commissioner Clark
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 Commissioner Clark,

I'm a grandmother who is dedicated to creating a safe, healthy and just future for all.

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,1,1aU7gOs4wJ2TrX3aNpJnk1SNgjn8Q4emCkUbUPUG82NdWJh0MuMIJOJZ5c7VQMoZnt_gsdtPLdx3vmC7WiGvA9kroOH0aUhtJ2r1m-mGv2gPQIOSFYaMk,&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,

Leslie Frick

Ft. Myers Beach, Florida

Sent from my iPhone

Antonia Hover

From: kksutherla@aol.com
Sent: Friday, May 24, 2024 1:43 PM
To: Office of Commissioner Clark
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 Commissioner Clark,

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/>

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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