

Antonia Hover

From: Hannah Barker
Sent: Monday, June 3, 2024 3:48 PM
To: Commissioner Correspondence
Subject: Docket Correspondence
Attachments: In Rust We Trust; In Rust We Trust

Good afternoon,

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: dd dd <jrmbnym95@gmail.com>
Sent: Sunday, June 2, 2024 1:16 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,

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

Antonia Hover

From: Home <jkkandl@comcast.net>
Sent: Friday, May 31, 2024 5:30 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 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,B5b9bDSU1D3C_USwhU25ChXIhM6cELoARvIIDrH9YhStPQP-gk7guy-nhnNUhGIPGZxlazg8_24gEdb65M28lgea27CPhk7Qqgo7pSoXcQ,,&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,

Jody berman

Pompano Beach, Florida