

Antonia Hover

From: Office of Commissioner Clark
Sent: Tuesday, May 28, 2024 3:39 PM
To: Commissioner Correspondence
Subject: FW: In Rust We Trust

Good afternoon,

Please place the attached email 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

-----Original Message-----

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

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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,ICwY9Q5vsiw3vW6ljEyNdrZw0ZBCB8nKY8kanijimQdfiXyigXCascvI3sgE3wpK190uX9HYbQe6e-W1wffzxWUrfPS-w5BtA5Tc9LR43FlDxe5ryO7UhNbAbNY,&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