Antonia Hover

From: Office of Commissioner Fay
Sent: Monday, June 3, 2024 4:58 PM
To: Commissioner Correspondence
Subject: Docket No. 20240000
Attachments: In Rust We Trust; In Rust We Trust

Please place the attached emails in Docket No. 20240000

Antonia Hover

From: dd dd <jrmbnym95@gmail.com>
Sent: Sunday, June 2, 2024 1:15 PM
To: Office of Commissioner Fay
Subject: In Rust We Trust

Dear Commissioner Fay,

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 Fay
Subject: In Rust We Trust

Dear Chairman Fay,

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,_Z6GZGq5WaGgtvs3App-Zw7UURIB7WMzAzwbLD-hNuhA1r7_JO1CaUTBLLBEjDgyBktMZp1bAJgFgPl7CGiDV7T28g6C-2GCGcq7EldWCg,,&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