Charlie Smith

From: Hannah Barker
Sent: Thursday, May 30, 2024 10:03 AM
To: Commissioner Correspondence
Subject: Docket Correspondence
Attachments: In Rust We Trust; In Rust We Trust

Follow Up Flag: Follow up
Flag Status: Flagged

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
FLORIDA PUBLIC SERVICE COMMISSION

Charlie Smith

From: julie long <jl525174@gmail.com>
Sent: Thursday, May 30, 2024 9:22 AM
To: Office of Commissioner Clark
Subject: In Rust We Trust

Dear Commissioner Clark,

I'm a physician who is concerned about the adverse affects on people's physical and mental health from climate change and environment degradation

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,GS43dt4zlzIByCfSKaWGk8eyeCYvUWD2mOCmq1em2vFYhtfKjxRRyIGZID53UkeN_QlyhdWGfGyZu-l7S3fF_B_yK_Q3rhdczZOWYbd9&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,

Julie Long

Plantation, Florida

Sent from my iPhone

Charlie Smith

From: Rachael Ignatoff <rachymom@comcast.net>
Sent: Wednesday, May 29, 2024 3:36 PM
To: Office of Commissioner Clark
Subject: In Rust We Trust

Dear Commissioner Clark,

I'm a mother who just wants a livable future for me and my generation.

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,Q2x2n-A3jscfH0diuUHz9hvdahYvr1MRwKQLKKfqrSNpp91rOZEsBXbVp0eh4TzLn0gfRzjbqBJiCIvr20SUzrJmIZen6SEadD8VfeHJylDFARU,&typo=1

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Sincerely,

Rachael Ignatoff

Boca Raton, Florida

Sent from my iPhone