Antonia Hover

From: Office of Commissioner Clark
Sent: Monday, January 8, 2024 11:07 AM
To: Commissioner Correspondence
Subject: FW: liquid metal batteries

Good morning,

Please place the attached email in Docket No. 20240000.

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: Shauna Junco <sjuncopharmd@gmail.com>
Sent: Tuesday, December 26, 2023 3:48 PM
To: Office of Commissioner Clark <Commissioner.Clark@psc.state.fl.us>
Subject: liquid metal batteries

Dear Commissioner Clark,

I'm a Clinical Infectious Diseases Pharmacist who is alarmed at the lack of action addressing the current public health threats of climate change and air pollution. Climate change and its main driver, the burning of fossil fuels, are issues the medical community recognizes that we need to address now.

In the last 10 years, the price of batteries has dropped 87%. Can the same thing happen in the next 10 years?

Consider the liquid metal battery by Ambri. Invented by Dr. Sadoway of MIT, it received the EU's award for best patent this year. When inert antimony, calcium and salt are heated to a molten state, gravity separates them into a battery!

It is cheaper to manufacture with its inexpensive components, and simpler to build and maintain than lithium batteries. Already, Microsoft, a utility in Aurora, Colorado and a database center near Reno, Nevada are building facilities using these batteries.

Best of all, in 2021 Dr. Sadoway published a paper describing how the price per kilowatt-hour for the liquid metal battery will soon drop to $21. With grid-level batteries at this price point, fossil fuels will not be able to compete.

To learn more, go to
https://linkprotect.cudasvc.com/url?a=https%3a%2f%2fambri.com%2f&c=E,1,z0oRLloTsTEPhtOip4YN7ag9xVZxv34f5bGOwGSTqeGVsCxHlYFqYhcKuSTRqaLWPwJFz7OJbmqLeG8mbHNK5MbMK06RV2iX5D2gNkNvlNN_-0zPwA,,&typo=1 or

https://www.youtube.com/watch?v=9qCo4vslpQ0

The bottom line: better, cheaper, cleaner energy technology is coming fast. We don't need to invest in any new fossil fuel infrastructure. Both environmentally and economically, renewable energy and battery storage is the clear winner.

Sincerely,

Shauna Junco

Orlando, Florida

Sent from my iPhone