Flow batteries dhaka

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The flow batteries in this article use vanadium but there are other chemistries. Zinc-bromide for example. And I think there"s an Iron salt flow battery. There are quite a few more. All have their pros and cons. And this tech has been around for decades.

Try reading onward to the next paragraph: "But experts say flow batteries can be cheaper in the long run because they’re easier to maintain and last longer. A lithium-ion battery might have to be replaced after 10 years, but Rodby says flow batteries can last much longer. “There really is no finite lifetime for a flow battery in the way there is for lithium-ion,” Rodby said."

There"s a huge difference between "Flow batteries are the cheapest thing on the planet" (False) and "Flow batteries might be cheaper at some hypothetical point in the future, assuming lithium batteries only last ten years and conveniently ignoring the fact that they already last far longer than that" (also False).

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Judging by TFA that depends on the time scale you operate on. If you don"t thing farther ahead than a fiscal quarter Lithium is better, but utility companies tend to think in multiple decades so on that time scale flow batteries might actually "the cheapest thing on the planet".

If a reflow battery costs twice as much (per TFA), and you have a 5% cost of capital, it will NEVER be more cost-effective. It is always cheaper to use lithium and replace the batteries as they wear out.

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