

Planet Pulse

A rhythmic check-in on climate issues



Floating hybrids

- Last month, New York put into service its first hybrid-electric ferry.
- The Harbor Charger is one of only a such ferries operating in the U.S.
- The new ferry is expected to reduce CO2 emissions by 600 tons per year.
- Given it shuttles people to Governor's Island an evolving hub for climate change research the transition is symbolically important.
- The previous ferry consumed 420 gallon of diesel daily.
- The Harbor Charger is expected to save the city more than \$200,000/year which will be sorely needed to cover its \$33 million price tag.
- Nationwide, there are over 600 ferries that continue to rely on old, inefficient diesel engines, making them some of the highest emitters among commercial harbor craft.









Some good solar news

- According to EnergySage, the average cost for residential solar hit a record low of \$29,000.
- In the first half of this year, median quoted prices tied the 2024 second half record low cost per watt of \$2.48.
- Given 92% of contractors surveyed by EnergySage said that the elimination of the 30% tax credit will hurt their business, prices can't come down fast enough.
- The industry's goal is to get prices down to \$2/watt.



Faster, cheaper, cleaner? Hopefully



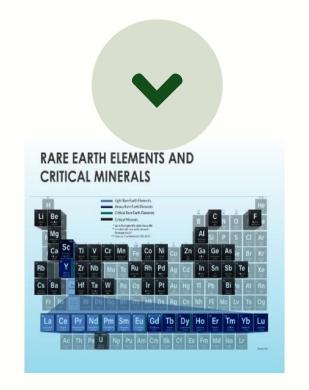




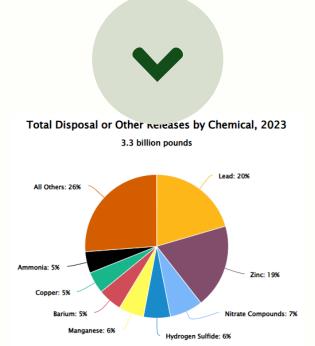




Spun out of the University of California Berkley, startup ChemFinity recently raised \$7 million. The company claims its mineral recovery systems is 10x faster, 3x cheaper, and 99% cleaner than existing methods. Given the need, and environmental impact from metal mining, let's hope the company can prove its claims in the market.











A concept drawing of green space in Copenhagen that can retain and filter stormwater.

Image: City of Copenhagen



Sponge cities?

- Urban planners have a new goal: design municipalities to soak up water.
- After a catastrophic 2011 flood that caused \$1.8 billion in damage, Copenhagen started reshaping its urban planning strategy.
- It built wetlands, parks, and underground pipes and basins to collect and redirect rainwater.
- The effort is on-going, but has already proven effective.
- Auckland, Nairobi, Singapore, New York, Rotterdam, and Berlin are all integrating the "sponge city" model.



Unbiased and Unfiltered

An honest assessment of the cleantech industry and the effort to stem climate change.

