

Ter•ra•ment

About Terrament

[Terrament](#) is a new energy startup solving our trillion-dollar energy storage crisis. We are currently unfunded and sponsored by Syllable Technology and Design.

Summary

[View the Terrament summary deck.](#)

Problem

Climate damage is a grave threat to our health, economy, and national security. We must redouble our efforts to replace fossil fuels with renewable energy.

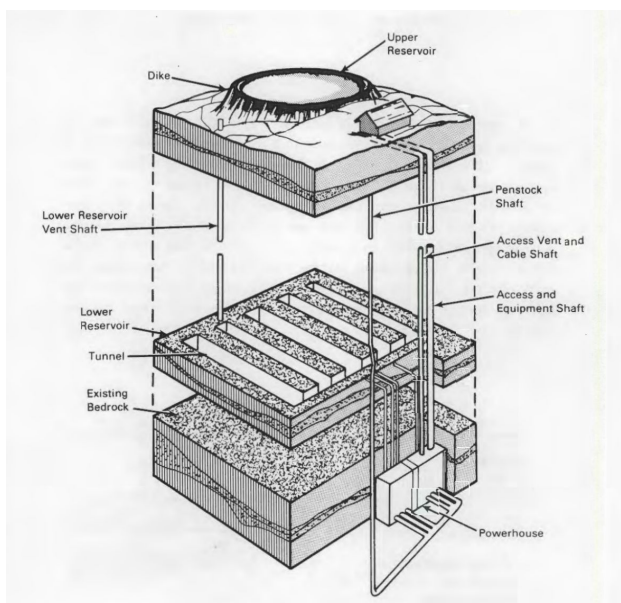
But there's a problem: Even if we had plenty of wind and solar energy, our power grid isn't built to handle weather-dependent variability. To fix this, we must invest *trillions of dollars* to build more energy storage capacity.

Solution

Terrament is building affordable, scalable energy storage using a technology called Underground Pumped Hydro Storage, or UPHS.

UPHS is a well-researched, low-risk technology. Our design will be 3-15 times cheaper than lithium ion storage over a lifetime of forty years.

Right: UPHS design from a U.S. Gov Report



Why Terrament?

Terrament provides a low-risk, affordable solution for scalable energy storage.

World governments have declared a state of climate emergency. And they have pledged to quit fossil fuels by 2050. But we are not yet on track to meet those promises.

[Research shows](#) that if we don't expand our energy storage capacity, our solar and wind energy markets will stagnate.

Without energy storage, renewables will fail to reach even 25% of the energy market by 2040. This will cause global temperatures to rise over 3°C, a level which will cause catastrophic climate damage. We have to do better.

Links

[Pitch deck](#): Our pitch deck summary is not intended for investors (yet). We made it to help us find a civil engineer co-founder. Interested? Contact us.

[Feasibility study](#): Our feasibility report about Underground Pumped Storage. This report is [open-source](#) and may be updated in the future.

Key Research

[UPHS Report \(U.S. Department of Energy\)](#): A U.S. DOE report from 1984 which demonstrates that Underground Pumped Storage is feasible and cost effective.

[Pumped Energy Storage Report \(San Diego County Research\)](#): The San Diego County Water Authority demonstrates that pumped hydro storage is cheaper than lithium ion.

Contact us

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Thank you

Eric Chaves, Founder of Terrament