

Stored energy: from illiquid stock to liquid capital

TODAY, ON AN ENERGY COMMUNITY'S BALANCE SHEET

- The battery sits in fixed assets. The energy inside it is stock with no price: it can only be sold to the grid, and only at the moment it is generated.
- Grid revenue is small, and in sunny hours zero or negative. The grid is ceasing to pay for surplus at all.
- So the sector lives on money from outside: a tariff, a subsidy, a grant. Others decide when and how much.

WITH EXERGY

- Measured stored energy is turned into **notes**. Each note is a share of all the measured energy held in the batteries of every community in the network, in every country.
- The figure on a note (kWh per note) is recalculated continuously and visible to anyone. The network charges, the figure rises; it discharges, the figure falls. It is a live measurement, not a promise.
- A note is never burned or cancelled. When energy is used, the figure falls for every note at once.
- The stock becomes liquid: notes sell for money **at a market price**, anywhere in the network. The source of money is what the community already has.

WHY THERE IS ALWAYS A BUYER

Sun, wind and load never coincide. At any moment batteries are empty somewhere and full somewhere else. A member in Sydney whose battery is empty buys notes to settle with a neighbour for stored power: cheaper than the socket. A member in Berlin, also empty, sells notes and pays the grid bill in money. Both act out of their own need. This is a property of the whole network, not of one trade.

WHY A NOTE CANNOT BE PRINTED

- Notes are minted only for measured energy stored from the community's own generation. Power drawn from the grid mints nothing.
- Minting happens only inside connected communities; a lone battery outside the market mints nothing.
- Each next million notes requires twice as much stored energy per note. This rule only moves up, and stored energy moves it, not the calendar.
- Neither Key Energy nor a vote can mint notes without energy: this is part of the protocol's constitution.

WHERE CAPITAL WILL FLOW

The minting steps set the direction: over time, more kilowatt-hours stand behind every note. That is what will draw financial capital to notes. And that capital's money will flow to those who build batteries and store energy: to network members, not to us.

UPSIDE AND RISK

- **The logic can be checked:** five contracts deployed and verified on Arbitrum testnet; a settlement between two communities has been run live.
- **Joining needs no new business:** a community keeps operating as before; it needs registration and measurement of what it stores.
- **Only a few communities on different continents are needed.** Their settlements are public: everyone sees the benefit, without our advertising.

WHAT AN INVESTOR BUYS

Equity in Key Energy, Inc. (Delaware C-Corp), not notes. Key Energy sells notes to no one. The company earns a share of protocol fees (0.25% per settlement, 1% per mint; 40% of fees go to the Key Energy treasury).