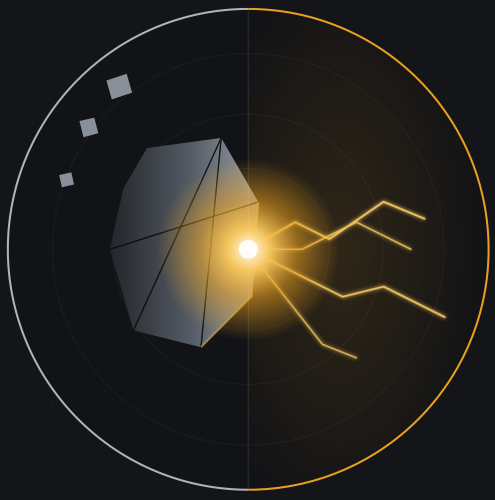


MASS & ENERGY

Stockpiling what the future can't do without.

MassAndEnergy ($MAE) is a single token on Solana. Trading fees are converted into tokenized real-world assets, the metals, energy and infrastructure the world will need more of every year, and the profits buy $MAE back every week.

$MAE · single token on Solana

MASS + ENERGY · two real-asset baskets

THE IDEA

One token. Two real economies.

Some things only get scarcer, and more expensive, with time: the metals that build cities, the power that runs them, the infrastructure that connects them. MassAndEnergy ($MAE) is a single token that accumulates exactly those assets in tokenized form, and keeps buying while everyone else chases the next narrative.

MASS / the physical economy

Part of $MAE's fees buy tokenized industrial metals and the raw resources behind construction and heavy industry. The hard backbone of everything we build.

- Tokenized industrial metals (copper, aluminium, steel)
- Construction materials and inputs
- Industrial and resource commodities

ENERGY / the power economy

The rest of $MAE's fees buy renewable-energy equities, tokenized carbon-credit markets and energy-infrastructure projects. A stake in how the world is powered.

- Renewable energy company shares
- Tokenized carbon credit markets
- Energy infrastructure projects

THE MECHANISM

A flywheel between crypto and the real world.

01 · Fees

Every trade on $MAE through Pump.fun generates fees for the protocol.

02 · Buy RWAs

The fees are spent across both baskets of tokenized real assets, mass and energy.

03 · Profit

Appreciation and margins build across the accumulated holdings.

04 · Buyback

At each weekly close, the profit buys $MAE back on the open market.

WEEKLY BUYBACK

Every week the profit goes home. Gains from every asset $MAE holds are used to buy $MAE back. Both the **mass** and **energy** baskets feed the same token.

WHY NOW · THE NUMBERS

The real-world tailwinds, in figures.

Independent, current data (2024-2026) from the IEA, BloombergNEF, the World Bank, the World Gold Council, RWA.xyz and DefiLlama. Forecasts are labelled FCST.

$26-30B
On-chain RWA value (excl. stablecoins), early 2026
Chainalysis · RWA.xyz

+266%
RWA on-chain growth in 2025
RWA.xyz

$2-16T
Tokenized assets by 2030 FCST (McKinsey low / BCG high)
McKinsey · BCG/ADDX

~30%
Copper supply deficit by 2035 FCST
IEA Critical Minerals 2025

$3.3T
Global energy investment in 2025 ($2.2T clean, 2:1 vs fossil)
IEA

$21.4T
Power-grid investment needed by 2050 FCST
BloombergNEF

$100B+
Carbon-pricing revenue (compliance), 2024
World Bank

$1.1T/yr
Carbon market by 2050, high-quality scenario FCST
BloombergNEF

863 t
Central-bank gold buying in 2025 (store-of-value demand)
World Gold Council

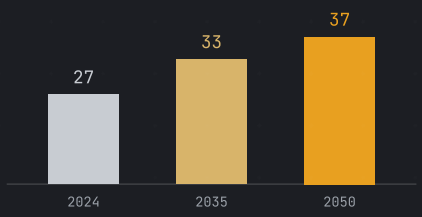
$1.78B
Cumulative fees generated by **Pump.fun**, the launch venue, all-time.
DefiLlama · ~$1.18B revenue, ~$443M annualized run rate (2026). The fee-to-buyback flywheel already works at scale.

MASS · THE PHYSICAL-ECONOMY BASKET OF $MAE

The metals the future is structurally short of.

Electrification, power grids, EVs, AI data centers and the energy transition all run on more metal per unit of GDP than the economy they replace, while new supply takes ~17 years to come online. The result is a widening, structural deficit in exactly the materials MASS accumulates.

REFINED COPPER DEMAND (Mt)



IEA Global Critical Minerals Outlook 2025 (stated policies). Demand rises while the announced mine pipeline falls ~30% short by 2035.

-40%

Fall in average copper ore grades since 1991

IEA / S&P Global

14 vs 225

New copper deposits found last decade vs the prior 23 years

S&P Global / IEA

$15,000/t

Goldman Sachs LME copper, 2035 FCST

Goldman Sachs Research

~292kt

Aluminium deficit in 2026 FCST (surplus → deficit)

Bank of America

<$75M

Tokenized industrial metals on-chain today (vs ~$2.6B tokenized gold) = early

CoinGecko / RWA.xyz

WHY IT MAPS TO $MAE

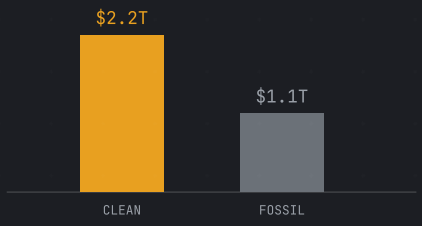
The IEA's ~30% copper deficit by 2035 and a 40% drop in ore grades are the literal "assets the future needs more of": structurally undersupplied metals whose long-run scarcity underpins $MAE accumulating tokenized industrial metals and construction resources, a segment still under $75M on-chain today.

ENERGY · THE POWER-ECONOMY BASKET OF $MAE

Capital is pouring into how the world will be powered.

Clean energy now attracts twice the capital of fossil fuels, AI is driving a step-change in electricity demand, and the grid that ties it together is the multi-trillion-dollar bottleneck. Carbon markets add a second, policy-driven leg.

GLOBAL ENERGY INVESTMENT 2025 ($T)



IEA World Energy Investment 2025. Clean energy draws ~2:1 vs fossil fuels; solar PV alone ~$450B.

$21.4T

Power-grid investment needed by 2050 FCST

BloombergNEF

485→950

Data-centre electricity demand (TWh) doubling by 2030 FCST, AI-led

IEA / S&P Global

CARBON MARKETS

$100B+

Compliance carbon-pricing revenue, 2024 (~28% of emissions priced)

World Bank

€60-95

EU ETS carbon price range, 2025-26 (tightening 2040 target)

carboncredits.com

$1.1T/yr

Carbon market by 2050, high-quality scenario FCST

BloombergNEF

WHY IT MAPS TO $MAE

A 2:1 clean-vs-fossil capital ratio, a $21.4T grid gap to 2050 and AI-driven power demand give $MAE a multi-decade tailwind across renewable equities and infrastructure. Carbon adds a policy-driven leg: integrity remains the open debate, with the upside concentrated in high-quality and removal credits.

ON-CHAIN WRAPPER & VALUE ACCRUAL

Tokenization makes it buyable. Buybacks make it accrue.

Real-world assets are moving on-chain fast, giving the protocol a verifiable, fractional, 24/7 way to hold them. And fee-funded buybacks, Wall Street's oldest trick imported into tokenomics, are now a mainstream, proven value-accrual mechanism.

$26-30B
RWA on-chain, early 2026 (+266% in 2025)
Chainalysis · RWA.xyz

$2.4B+
BlackRock BUIDL tokenized treasury fund
Securitize / CoinDesk

~$370M
PUMP bought back & burned (~36% of supply), then 50% of revenue ongoing
CoinDesk / Pump.fun

BUYBACK IS A PROVEN FLYWHEEL, NOT A GIMMICK

~$386M
HYPE repurchased by Hyperliquid (~97% of fees)
DWF Labs

50%
Of Jupiter fees used to buy and lock JUP
Jupiter

~$800M
Crypto tokenholder revenue, Q3 2025 (+400% YoY) EST
Messari (via FXStreet)

THE $MAE LOOP

Pump.fun trade fees → buy tokenized RWAs (mass + energy) → assets appreciate →
weekly close: profit buys back $MAE ↺

$MAE's design, "use trading fees to buy appreciating real-world assets, then buy $MAE back at each weekly close", sits squarely in the validated buyback-and-burn / buyback-and-make trend, layered on a venue whose own fee-to-buyback loop already runs at billion-dollar scale.

THE ACCUMULATION THESIS

Scarce, necessary, and a proven store of value.

The physical and power economies need far more metals, energy and infrastructure than supply can deliver, and hard assets have historically preserved purchasing power. Accumulating them, patiently, is the whole point.

$2.3T

Global energy-transition investment, 2025 (+8% YoY)

BloombergNEF

~$5,595

Gold all-time high (oz), Jan 2026; JPM eyes $6,000 by year-end FCST

CME / J.P. Morgan

~40%

Projected lithium supply deficit by 2035 FCST

IEA

ROADMAP

Phase 01

Launch $MAE on Pump.fun; fee accrual from day one.

Phase 02

First tokenized allocations: metals for MASS, renewables for ENERGY.

Phase 03

First weekly buyback cycle + public on-chain holdings view.

Phase 04

Expand the basket: carbon markets, larger infrastructure.

IMPORTANT · NOT FINANCIAL ADVICE

Mass & Energy is an experimental crypto project. This document is informational only and is not financial, investment or legal advice, nor an offer or solicitation. Crypto assets are highly volatile and you can lose your entire investment. Statistics are dated 2024-2026 and sourced as cited; items marked FCST (forecast) or EST (estimate) are projections that may not materialise. Real-world asset and tokenized-carbon markets carry custody, counterparty, regulatory and credit-quality risks. Always do your own research.

SELECTED SOURCES

IEA · Global Critical Minerals Outlook 2025 & World Energy Investment 2025 · BloombergNEF · power grids / energy-transition / carbon · World Bank · carbon pricing revenues 2024 · World Gold Council · central-bank gold · S&P Global · Copper in the Age of AI · Goldman Sachs Research · copper · RWA.xyz & Chainalysis · RWA on-chain · BCG/ADDX & McKinsey · tokenization forecasts · DefiLlama & Pump.fun docs · fees/buybacks · CoinDesk · PUMP burn · CFA Institute & London Business School · real assets as inflation hedge. Full URLs published alongside this brief.