Ecliptica Monetary Policy

A Deflationary Equilibrium Model for a Post■Quantum, Privacy■Preserving Economy

Abstract

Ecliptica's monetary policy achieves predictable scarcity and sustainable validator incentives through a soft■capped, deflationary equilibrium. The system combines an exponentially decaying inflation schedule, periodic fee burns, and proof■based rewards to maintain security while converging to a finite supply.

Figure 1 — Total Supply vs. Time

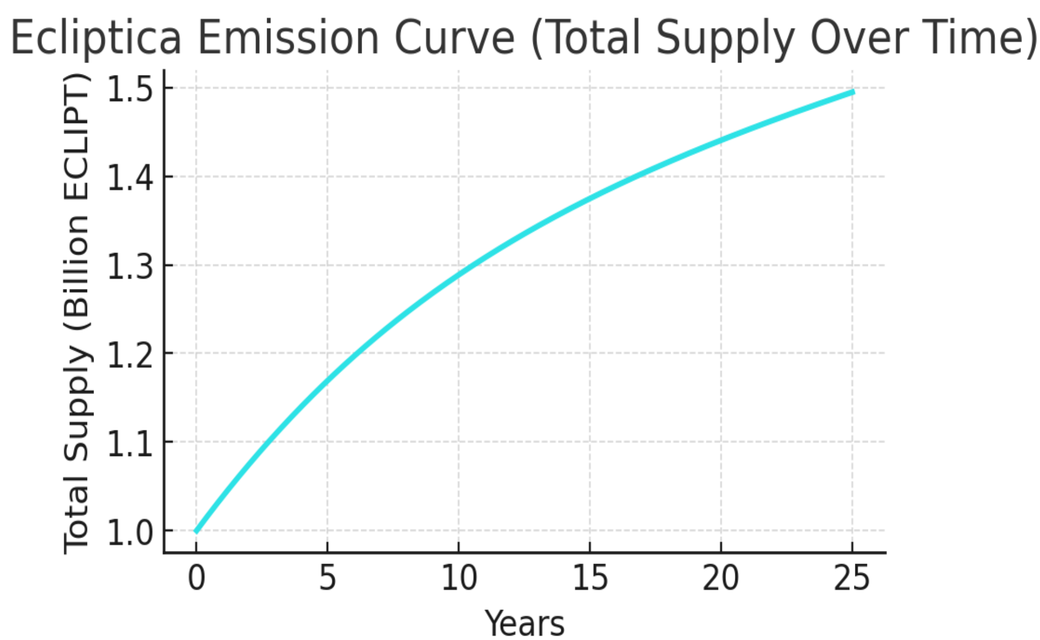


Figure 2 — Staker Yield Simulation

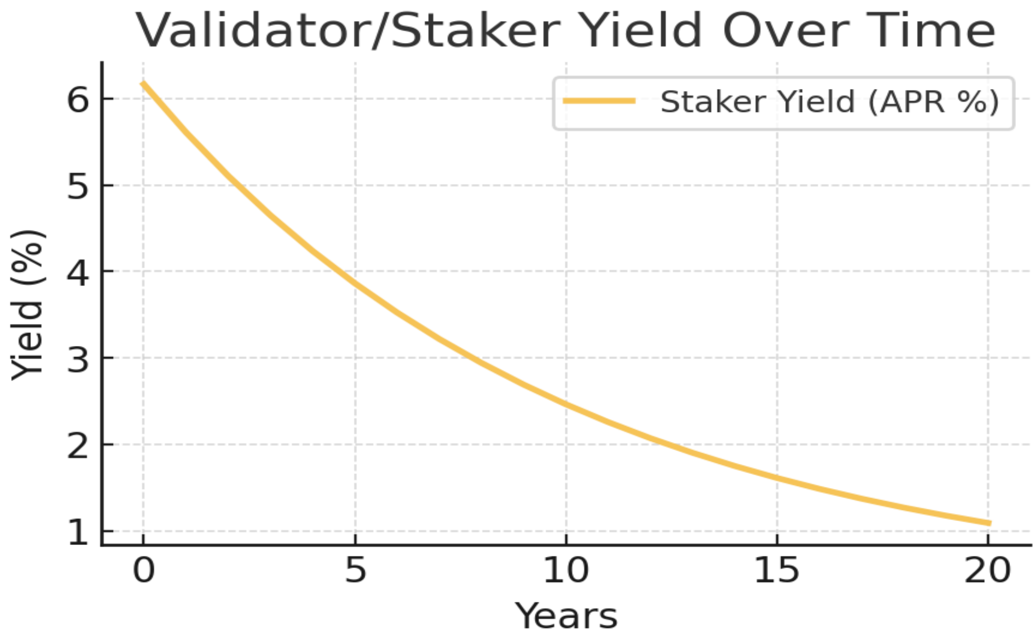
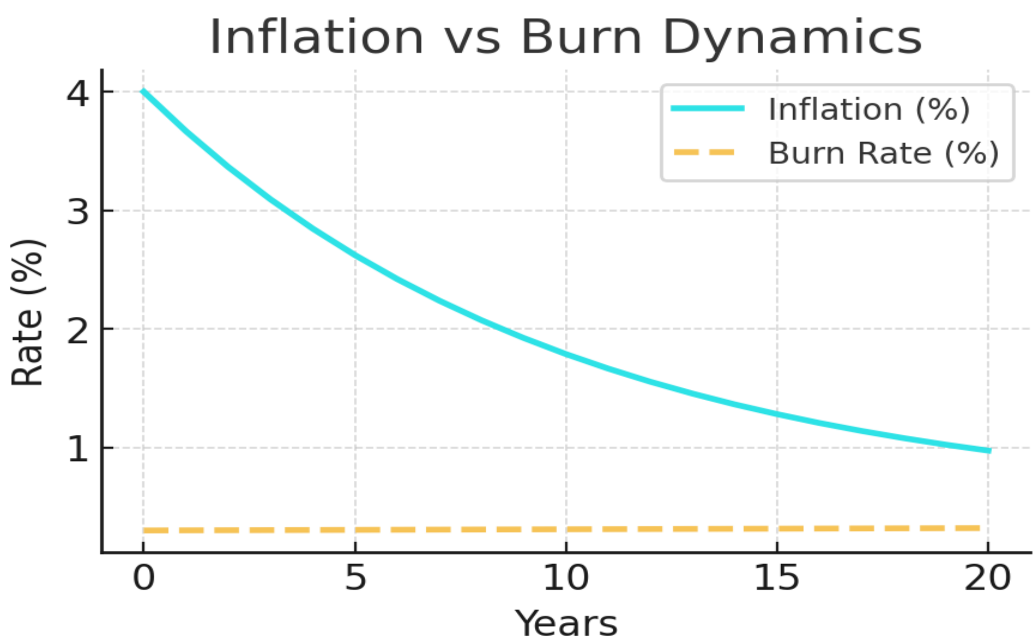


Figure 3 — Inflation and Burn Dynamics



Conclusion

Ecliptica combines a finite■asymptote supply with adaptive fee burns and a perpetual 0.5% tail emission. This balance creates a self■regulating deflationary equilibrium—ensuring validator security, sustainable staking yields, and predictable scarcity for the quantum era.