

Can AI Learn From 19th-Century Indigenous Wisdom?

A deep dive into early Native American history reveals patterns that mirror modern energy resilience.

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THE DATA

Year of Key Indigenous Record

The McNeil Center's analysis highlights a critical moment in early 19th-century Native American history where adaptive governance and resource stewardship were systemically documented.

These systems, now being studied through archival data, show early forms of distributed resilience — a concept central to modern AI-driven energy grid modeling.



01



Resilience is a Design Principle

Modern AI models for energy systems often optimize for efficiency, but overlook the adaptive, decentralized nature of historical Indigenous governance. AI can now be trained not just to predict demand, but to simulate adaptive responses based on real historical models of decentralized resilience.



02

AI Can Model Non-Western Knowledge

The McNeil Center's work demonstrates that historical data from non-Western systems can be encoded into machine learning frameworks. This opens a new frontier: AI trained on ethnographic data to anticipate disruptions in supply chains, infrastructure, and grid load — not just with algorithms, but with cultural intelligence.

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