

Smart Power Grid Control through Smart Contract

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Key Players: Jim and Dan



Jim Power Grid Manager



Dan
Financal Adviser
Early Adopter

Renewable Energy Problem



Unpredictable Power Generation



Requires
Ramping Generators
as Backup

Power Grid Problem

Problem Created:

Peak Power Demand
Unpredictable Power Generation





Generate Power



Expensive infra & operation cost Pollution

Adjust Power Demand



Slow respond Labor-intensive No feedback

Solution: Pother

Problem Created:

Peak Power Demand
Unpredictable Power Generation



Request
Power Adjustment
through Smart Contract



111/



Fast
Automated
Incentivized
Cost-effective
Verified

Power Grid + EVM

Why EVM/Smart Contract?



Smooth / Defer Power Demand



Minimize
Ramping Generator
Operation



Fast Response & Complete Feedback Loop

Social Effect



Encourage Renewable Energy Generation



Better
Power Grid
Management



Easy
Power Saving
with Incentives