### **Highlights**

* Utilities are compensating prosumers and passing operation costs to other consumers
* A fully decentralized peer-to-peer energy market can provide more money to prosumers while covering distribution costs for utilities
* An open-source application is created that can help community-managed prosumers to facilitate real-time energy pricing transactions
* The utility can implement a peer-to-peer unregulated market using unregulated meters installed at homes of prosumers that opt into the program.
* NRG-X-Change is a real-time pricing mechanism that pays prosumers according to demand, instead of having a trading or blind-auction clearing mechanism