



## Time to Charge savings for EV owners



We're pioneering the use of a new "blockchain" records-keeping technology that passes local electric grid savings directly on to customers. The charging rebates will add up as blockchain-enabled tokens, each of which are locked into a 'chain' of records. If any of the records are tampered with, that chain is broken and will be immediately rejected by the system. Long story short, it's a cyber-safe way of making, tracking and storing many, many online transactions for automated energy savings.

This is geared to encourage EV drivers to charge their vehicles during mid-day hours when solar power is at its peak, inexpensive and generated locally. And if enough customers choose to use locally produced renewable energy, we won't need as much expensive battery storage and other infrastructure—ensuring that all SMUD customers can benefit from lower costs and a cleaner grid.

To help the region and state meet its required clean energy and transportation goals, our cutting-edge "Time to Charge" project will synchronize EV charging with low-cost, local and clean energy production. Drivers will be able to choose whether they'll charge their cars during the hours that solar generation is at its highest. If they do charge their EVs during peak solar periods, not only will they earn rebates, they'll also be making a case for more local renewable energy systems to be installed.