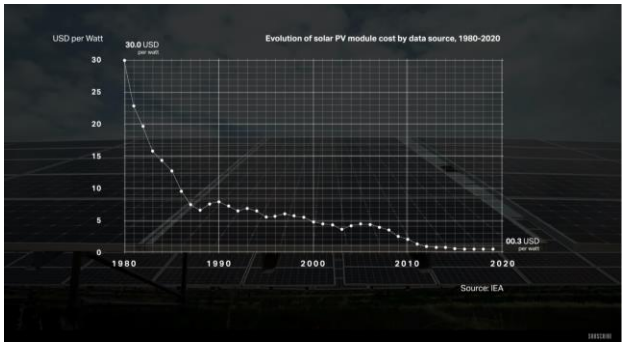
This solar facility generates about 25MW of electricity that Duke Energy says can power about 6,000 homes

Power is generated here and shot into the energy grid.

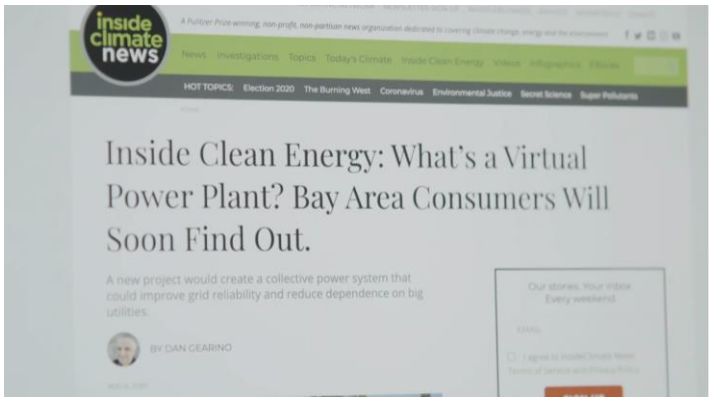
The US energy grid is mainly composed of lots of customers relying on very few power plants and backup peak plants, which is not very efficient since most of these emit greenhouse gases back into the atmosphere



We need to build smaller power plants with technologies like solar and then stitch them all up into a big power plant

Owners can add power batteries that allow them to store the generated power and sell them back to the grid

Backup battery packs can be banded together to create a virtual power plant that can deliver stored power back to the utility grid when needed during service interruptions like storms



Electric vehicles can provide their battery packs to form community virtual power plants when needed, companies can sell the excess energy in the fleet battery packs back to the grid when needed.