Big Picture:

Through the Bipartisan Infrastructure system for clean water, these same pipelines can split renewable energy dispersion to homes. The pipes can be side by side, one for water, and one for renewable energy allocation at a home level.

Logistics:

Through the metalens packages, individuals can choose how to spend their energy throughout their homes, and the individuals can tweak the packages.

Forms of energy:

Is it possible to turn these particles into decentralized plasma particles which can be channeled to have items around the home? The channeling can be done through various elements.

Complex challenges/logistics to meet, if other engineers aren't good enough to solve it: