What is a Microgrid?

How does a microgrid help make electricity more reliable?
How do we get electricity now?

Power plants produce electricity and the macro grid (aka the grid) brings that electricity to our homes and businesses.

This huge electrical network connects energy producers to our communities.
Micro vs. Macro Grid

A microgrid is like the macro grid, but much smaller.

It can disconnect from the grid and has a local power source, like solar panels!
How could a microgrid help me & my community?

If the macro grid loses power, the buildings that make up the microgrid can disconnect (aka 'island-mode') and still have electricity!

Being prepared and able to recover after a disaster are essential to public wellbeing.
Imagine this...

There's a heat wave. Everyone's air conditioner is working extra hard. Since the grid is over-loaded, there is a power outage.

The city goes dark.

But with a microgrid...
By disconnecting from the grid and switching to its local power source (like solar panels or battery storage), a microgrid prevents loss of power.

The switch happens so quickly that you won't notice any disruption!
Microgrids provide reliable electricity, something everyone should have.