



# What is a Microgrid?

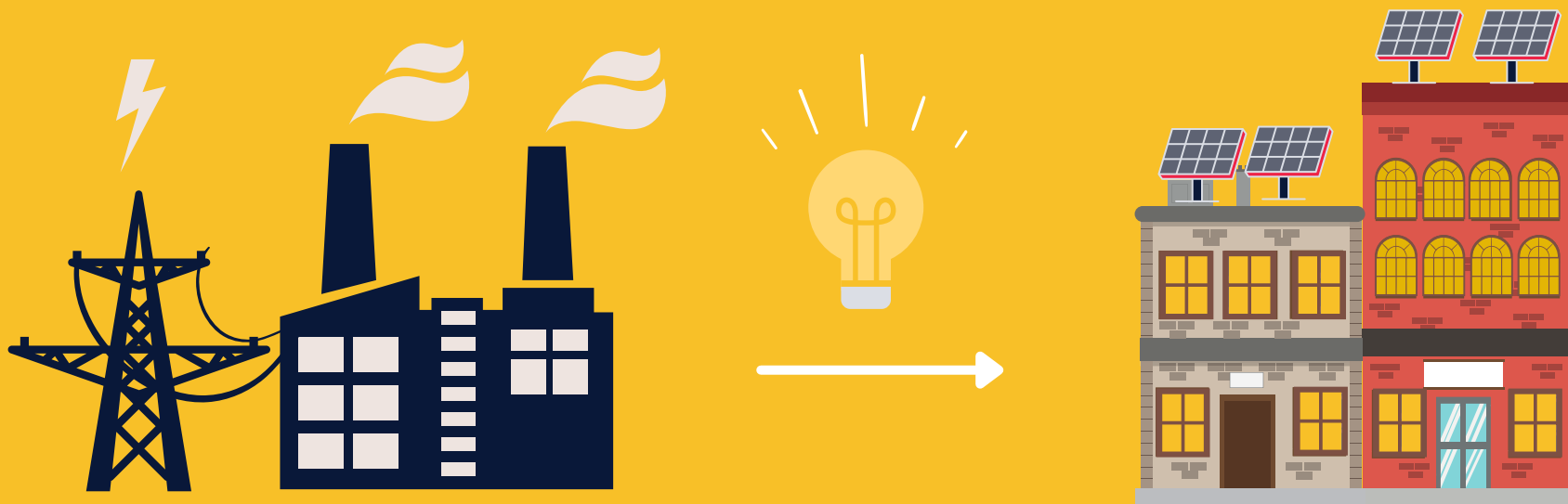
How does a microgrid help make electricity more **reliable**?



# 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.





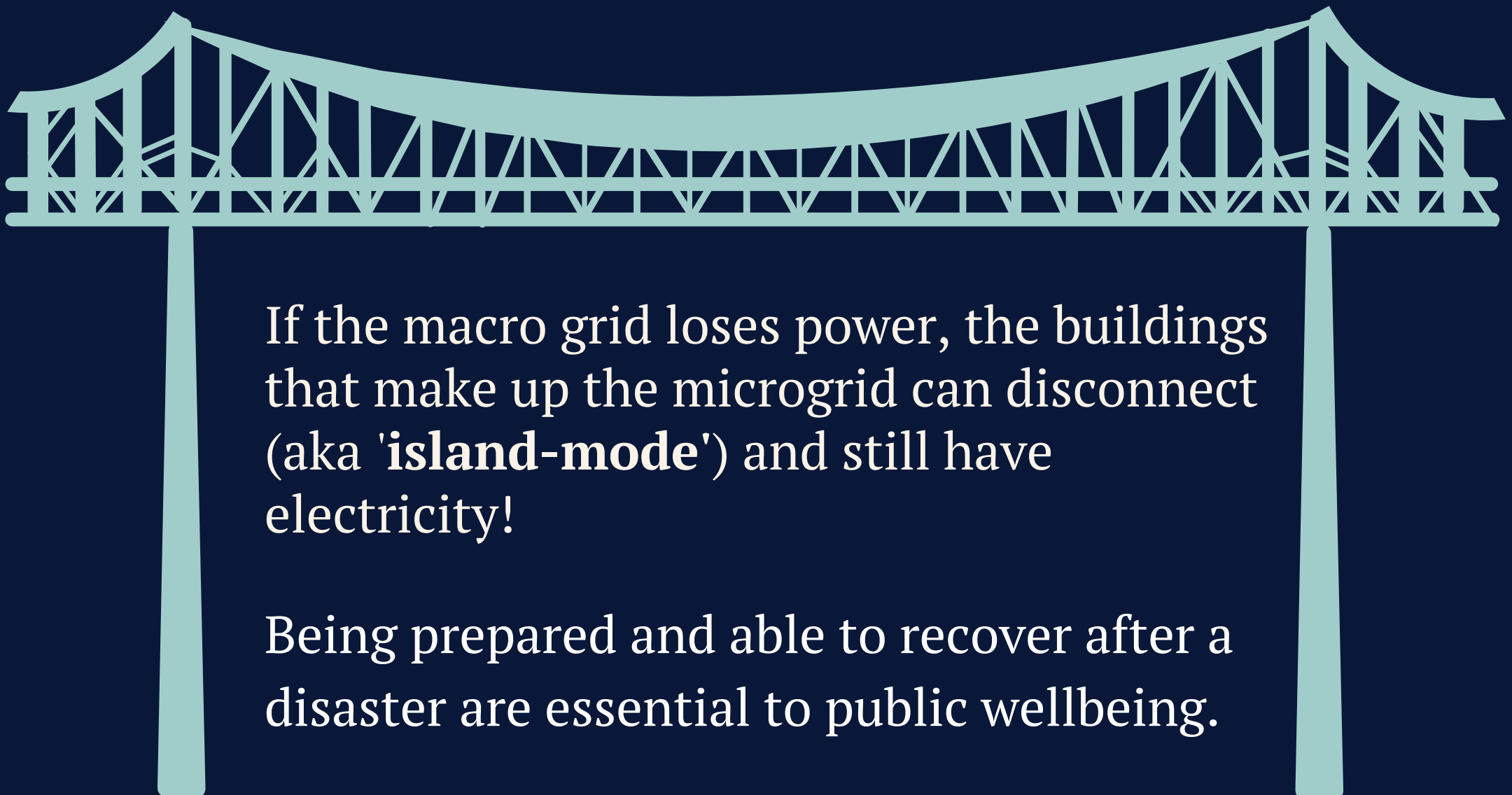
# Micro vs. Macro Grid

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!

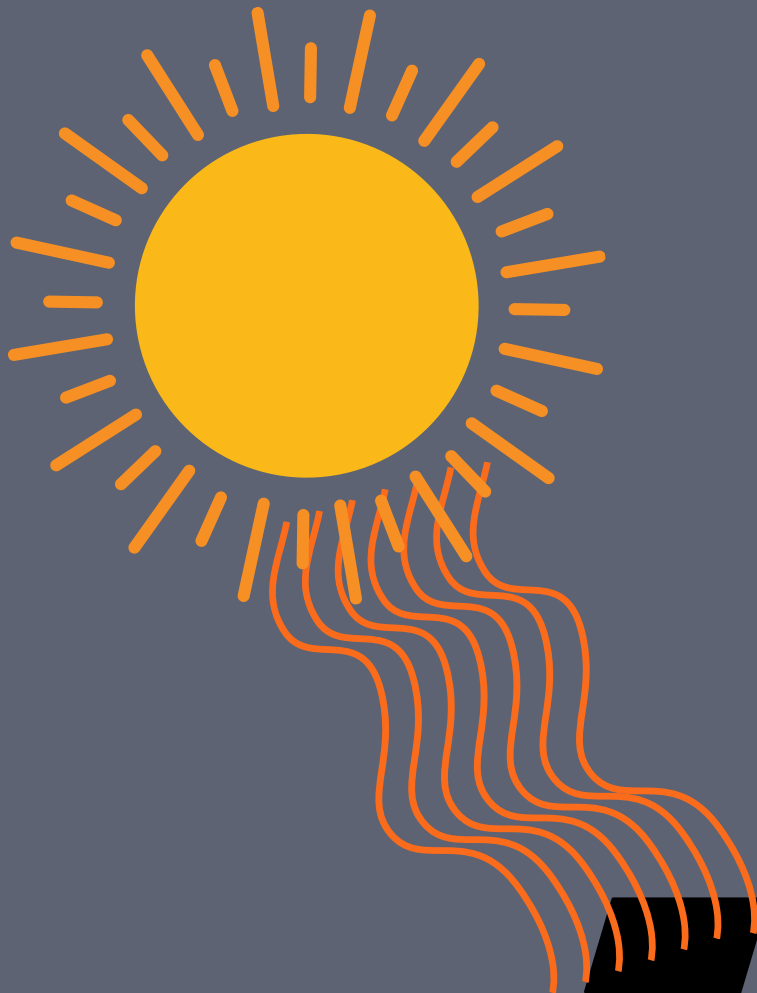


# How could a microgrid help me & my community?



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...



# The power stays on!

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.**

