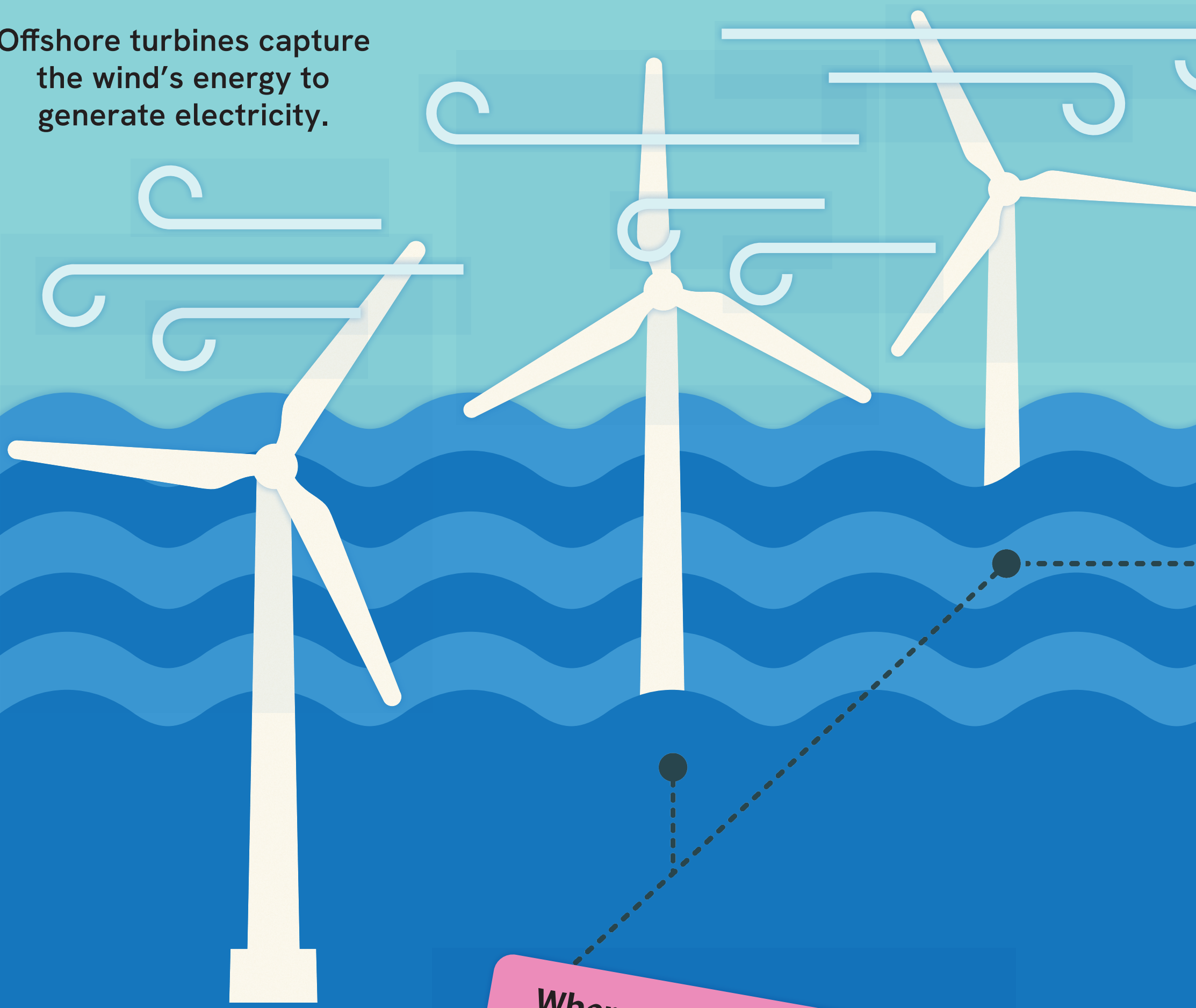


# As the wind blows, electricity flows!

1

Offshore turbines capture the wind's energy to generate electricity.



2

Offshore substations collect and convert electricity to a higher voltage so less energy is lost as it travels to shore through buried cables.



**Where will the wind projects be located?**  
Offshore wind projects will be located many miles from New York's shoreline in the Atlantic Ocean. The federal government carefully considers marine species and habitats, ocean users, and marine activities to select lease areas in the ocean for wind energy development.

3

Onshore substations convert the electricity to match the voltage of the power lines that deliver electricity to our homes and businesses.



4

New York State's transmission lines and substations are becoming more resilient to climate change as we invest in upgraded infrastructure for renewable energy, including offshore wind.

**How much power do turbines generate?**

Just one rotation of a single offshore wind turbine produces enough electricity to power a New York home for 1.5 days!

