

## Entry 16 - Part Two - Junior

The problem I am addressing is for places that are arid areas, coastal or mountain regions

What is your idea: (supply clean water and clean energy in places that are arid areas

How does it work:

On a foggy day molecules of water vapor combine to make tiny liquid water droplets that hang in the air, these fog nets are used to collect all the tiny liquid droplets and then get dropped into a tank, in arid places it would be useful,

For e.g.:

- Coastal areas
- Mountain regions

They have little rainfall but frequent fog presence. Fog nets provide an alternative source of freshwater and energy.

All the water droplets are most likely to get collected in the morning on winter days because of how cold it is in the morning

So, this design is made for when there is a black out/power outage at night you turn on the propeller in the tank, all the water starts moving through the turbine and generated power from the water that has been collected from the fog net. I attached a solar panel in case the farms, factories, houses and offices would need used the water for drinking and the solar panel for electricity