



CONSCIOUS ENVIRONMENT

The platform that is weighed down with 3,253,800 pounds of sand that the oscillating wave columns hold along the water surface, and uses fluid pressure to generate energy through a turbine. Several studies in wave technology done by the Bureau of Ocean Energy Management show that southern California can achieve up to 250 terawatts in recoverable wave energy insuring there is enormous potential for the platform to benefit Santa Monica. With recent studies and averages in potential energy gain the area of this platform is likely to produce 5,200 Megawatts give or take 500 kilowatts depending on storm seasons. This design will not negatively impact the environment whatsoever. All materials that may be corrosive, such as the steel pistons for the tidal energy platform, don't touch the water and are protected from the weather by the platform surface. There are no harming elements to this installation that could damage any ecosystems or the beach, which was the overall intention of the project.

We should not want to protect the environment; we should want to create a world where the environment does not need protecting.

