

The Sea Change

Power production utilising the world's largest natural resource, the sea, will bring change to Australia's emissions story.

We could use the ocean as our main major energy production system. This would replace the inefficiencies of the current solar and wind systems that only work while the sun shines or while the wind blows. The sea is a constant with no gaps in the source like other existing energy generation systems.

My theory is to have an ocean-based power generation system (kinetic energy) that uses big paddles or wheels on the water that generates energy. This will sit off shore but not too far away so the energy generated can be transferred back to land.

The energy will be transferred to land via aqua cable systems using recycled plastic cable covers that are durable and won't corrode.

Once on land the energy enters a power plant where the energy is converted into a usable form of energy. From the power plant the energy is distributed via powerlines (utilising existing infrastructure) to the major cities and towns.

There would be the aqua bases strategically placed around the country to best service the major centres and regions.

Figure 1: Showing the aqua bases placed off shore for power generation



