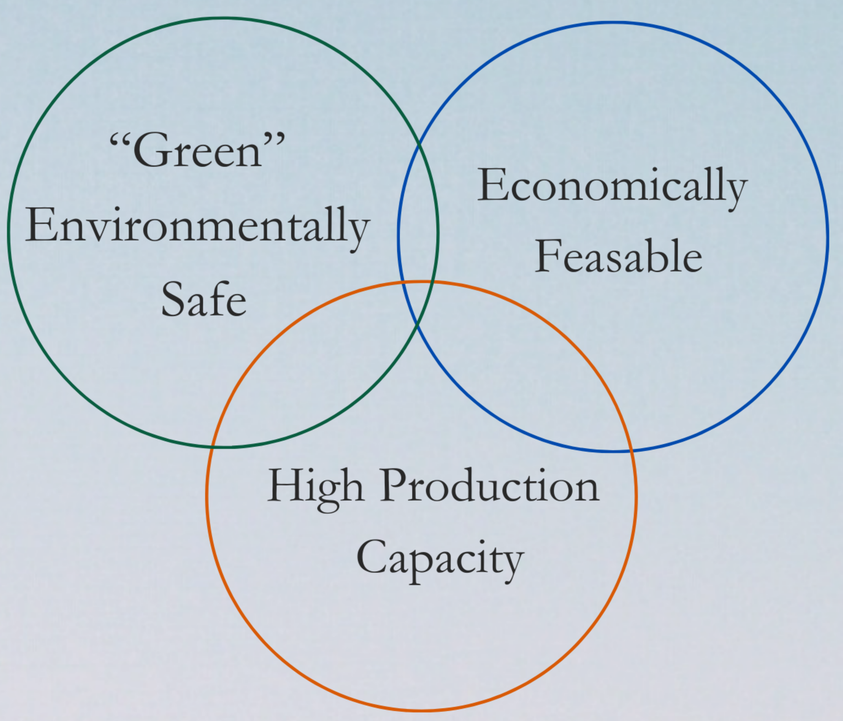
Can Wind-Wave and Tidal Energy Be Harvested to Reduce Dependence on Fossil Fuels?

Requirements



Where are we now?

Solar Energy: After passing the atmosphere, solar produces an average of 0.1 MW per acre in large solar farm

Wind Power: Offshore wind farms produce about 0.023 MW per acre

Tidal Power: Produces about 2.1 MW per acre per meter of tide range. Barrage systems were too expensive and too environmentally damanging

Nuclear Power: Requires extensive mining, refining and disposal costs; and produces about 0.9 MW per acre

Tides represent the largest source of green energy on our planet

Symptoms

- Loss of Sea Ice, Melting glaciers and ice sheets
- Accelerating Sea Level Rise
- 90% of CO2 in atmosphere comes fossil fuels
- Given the Social and Economic pressures this is not slowing
- We must find ways to generate affordable green energy

Solutions

- SEAS the FUTURE has developed and tested methods for safe extraction of Tidal Power (Several patents and patents pending)
- It follows the lesson of water flowing in with convergence
- And it keeps the water inside the system, separate from the surrounding water therefore avoiding negative environmental consequences.
- Expected cost and production levels of this unit are compatible with desalination needs.
- This system is capable of supporting community-scale to large urban areas.

SEA'S THE FUTURE

Tidal Energy Systems

Donald Resio
140 Captiva Dr; Ponte
Vedra Fl 32081
904-563-3464