

CORPORATE MISSION

- Produce Cost Effective, Continuous, Green Energy – Zero Carbon Emissions
- Produce Energy with Essentially No Harm to the Environment
- Invest in Efforts to Improve Future Coastal Resilience
- Develop Cooperative Agreements with University Organizations to Improve Future Coastal Educational Resources – emphasizing innovation

AN OPTIMIZED SYSTEM THAT DRAWS ENERGY FROM TIDES

- Unique patented system:
 - Produces power rates scalable from Kilowatts to Gigawatts
 - All flows are constrained within a system of bladders and a connecting conduit
 - Adjustable nozzle allows power rate to match demand
 - Supplies a continuous power source without batteries, unlike wind and solar
 - Estimated cost for construction are lower than comparable power plants that it can replace
- Can be used in conjunction with reverse osmosis to desalinate seawater
 - Ongoing and increasing water shortages in coastal areas can be mediated

AN EMPHASIS ON ENVIRONMENTAL CARING

- Closed System concept avoids direct interaction of turbines and the ecosystem in which the system is deployed
- Site Selection will be organized under direction of the Southeastern University Research Association (SURA) to help develop local offshore and onshore bladder siting criteria:
 - Developing a collaborative approach to the deployment of these system
 - Ensuring that these systems are located to minimize the possibility of harmful environmental effects via the broad range of expertise within universities.
- Environmental Research Funding in Universities will enable coastal researchers to understand the vulnerabilities of the coastal system and base decisions on improved understanding and estimation of coastal hazards and risks

BUILD A ROAD TO NEW COASTAL RESILIENCE

- The US, like many countries around the world, treats disasters as a short term problem that is best overcome by adequate warning and the use of standard methods to rebuild the infrastructure slowly.
- This mindset has led to an underappreciation for the role of other time-scales on coastal resilience, primarily long-term planning and improved rapid-recovery technologies.
- Unfortunately, the need for such innovative technologies is not supported by significant government or private funding today.
- The Sea's the Future will redirect a portion of its research into the development of much needed technologies for improved coastal resilience, i.e.:
 - Rapid re-establishment of functional infrastructure (bridges, ports, power-grids, and communication links);
 - Improved post-disaster reaction plans;
 - Prioritization of improved recovery as a key component of overall national resilience; and
 - Improved methods for coastal protection against storms and sea level rise.

SUPPORT AND ENCOURAGE INNOVATION FOR COASTAL APPLICATIONS

- Provide much needed “hands-on” opportunities for students within universities within the SURA network
- Develop a source of practical funding for interdisciplinary academic activities in the marine environment
- Serve to provide seed money for university spinoff ideas and creative activities that can improve coastal resilience and overall environmental health
- Develop a lecture series that can be tailored to encourage grade-school through graduate-school students to become active in coastal protection and restoration