

Near Shore Energy Potential for Coastal Structure Integrated Wave Energy Converters

(in TWh/year)

Sea level rise in US projected to rise ~1ft by 2050

350,000 homes & buildings are located w/in 500 ft of a coastline that is vulnerable to erosion and coastal storms

Current rate of coastline hardening is 124 mi/year



ALASKA
(in TWh/year)

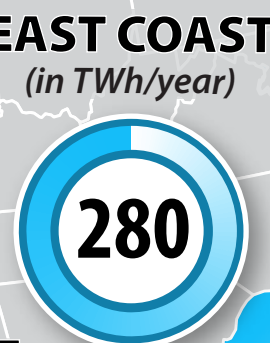
1,603 miles of man-made hardened coastline



WEST COAST
(in TWh/year)

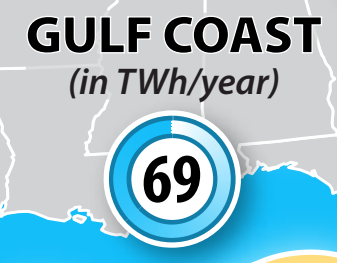
39% of the U.S. population lives in coastal counties

40% of those Americans are at Elevated Coastal Hazard Risk*



EAST COAST
(in TWh/year)

6,782 miles of man-made hardened coastline



GULF COAST
(in TWh/year)

4,782 miles of man-made hardened coastline



HAWAII
(in TWh/year)



PUERTO RICO & USVI
(in TWh/year)

*This estimate includes children, the elderly, households where English is not the primary language, and those in poverty (NOAA)