

Local Resident

\$100 million

- You have been selected to represent your community on this issue.
- Your community is a beach community.
- Members of your community enjoy living where they do because they enjoy seeing wildlife in their backyards, watching dolphins swim into the sunset, and going to the beach.
- Your houses are near the water and your neighborhood floods during heavy storms.



Government Official

\$350 million

- As an elected official, you work in a position of power within your local government.
- You have lived in the area for many years and plan to continue living here because you are an amateur fisherman and you love the area.
- You have heard recent reports about the potential impact of sea level rise in your community but you find it difficult to dedicate the necessary resources towards this issue because more immediate issues weigh you down.



Ecotourism Business Owner

\$100 million

- You are a born and raised resident of the area that owns a kayaking tour company.
- Recent storms have caused some damage to your business and you are beginning to worry about the intensification of coastal dynamics in the near future.
- You also notice increasing development pressures threatening marsh areas that you like to take some of your tours through.



Inland Developer

\$150 million

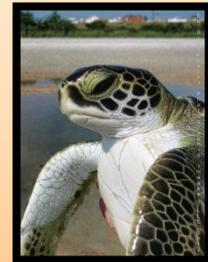
- You are not a full time local resident but you own large areas of land inland from the present communities.
- You anticipate that as people begin to worry about sea level rise they will be looking to move further inland and you would like to build a community to accommodate this anticipated demand.



Environmental Scientist

\$100 million

- You are not a Florida native but you came to this area and continue living here because you recognize the uniqueness of the ecosystem and biodiversity of the area.
- You worry about the wellbeing of the local ecosystem, especially threatened species, with the pressures of development and now the threat of sea level rise.
- You are particularly interested in sea turtles and manatees.



Beach Nourishment

\$100 million

- Replacing sand lost through erosion to re-widen a beach
- Lifespan: 5 years
- \$3-15/cubic meter, depending on dredge site; \$100 million for a large beach



Key benefits: Protect existing infrastructure, protect recreation and tourism

Habitat Migration Corridors

\$50,000/acre

- Acquiring tracts of land connecting different wildlife habitats to allow for the safe migration of species, via purchases and conservation easements.



Key benefits: Allow migration of wetlands and threatened species

Ecosystem Conservation

\$50,000/acre

- Government purchases relatively undeveloped land from coastal property owners to put into conservation. This conservation land will act as a buffer for retreating shorelines, protect habitats, and increase resiliency along the shoreline by preventing development in high-risk areas.



Key benefits: Protect private property rights, allow migration of wetlands and threatened species

Seawalls

\$4.24 million/mile

- Installing physical barriers between the sea and land to prevent flooding of developed areas.



Key benefits: Protect existing infrastructure

Elevating Structures

\$150,000*

- Elevating existing and future structures on stilts to protect them from storm surge and flooding.
- *\$150,000 for 2300 sq. ft. building

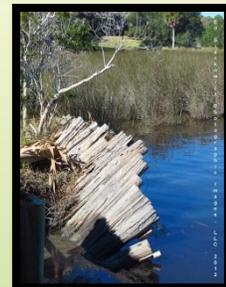


Key benefits: Protect existing infrastructure

Water Storage Easement: (Conceptual Strategy)

\$50,000/acre

- Conservation easements of at least 10 acres on private lands to provide ecosystem services, mainly water storage. As sea levels rise, freshwater is susceptible to saltwater contamination. Water storage easements will help protect the community's freshwater supply, while supporting ecosystem health and allowing for habitat migration.



Key benefits: Support ecosystem services, protect freshwater supply

Planned Relocation

\$700 million

- Gradually moving infrastructure away from high-risk areas, primarily through the use of rolling conservation easements. Land will be acquired inland to allow for infrastructure to be rebuilt outside of highly vulnerable areas.
- \$700 million over the next 20 years



Key benefits: Protect future infrastructure, allow migration of wetlands and threatened species

Living Shoreline

\$25,000/acre

- Maintaining natural vegetation along the shoreline.



1. Reintroducing wetlands to areas that have lost them. Wetlands help absorb the impact of coastal dynamics by providing a place for the water to go, acting as a buffer between the sea and development.
2. Using organic and structural materials like wetland plants, sand, aquatic vegetation, oyster reefs and stone to create a protective shoreline and maintain valuable habitat.

Key benefits: Allow migration of habitats and threatened species, protect recreation and tourism, protect fisheries and rookeries; improve water quality via filtration of upland runoff