Bureau of Coastal Engineering

*purpose*

- Provide for the protection of life and property along the coast.
- Preserve our State’s vital coastal resources.
- Maintain safe and navigable waterways.
Purpose of the Shore Protection Fund...

“To protect existing development and infrastructure from storm surges, sea-level rise and shoreline migration through dune creation and maintenance, beach nourishment projects, and construction and repair of shore protection structures.”

$25 million dedicated annually

Realty Transfer Tax (N.J.S.A. C.13:19-16.1)
Where The Funding Goes

Federal Projects - NJ DEP - local sponsor in these projects

- Studies
- Storm Damage Reduction/ Shore Protection
- Environmental Restoration

State Projects - Local Municipality - local sponsor in these projects

- Storm Damage Reduction/ Shore Protection

Professional and Technical Services -

- Stevens Institute of Technology
- Richard Stockton College of New Jersey
- Division of Fish and Wildlife
- New Jersey Geological Survey
Shore Protection Construction Cost Share Structure

Shore Protection Project

FEDERAL
- 65% Federal
- 35% State/Local
  - 75% State
  - 25% Local

STATE
- 75% State
- 25% Local
  - $0.25 for every dollar

Approx. $0.09 for every dollar
Beach Nourishment
New Jersey Shore Protection, Lower Cape May Meadows - Cape May Point, NJ
Before and After Photos of the Beach Nourishment
Cape May Point and at Lower Cape May Meadows

MARCH 2004

1994

JANUARY 2005

2005
Beach Nourishment

New Jersey Shore Protection, Brigantine Inlet to Great Egg Harbor Inlet, Absecon Island, NJ

Beach Nourishment in progress

Atlantic City - 2003
Federal Shore Protection Projects

What We Need From the Municipality

- Sign State-Aid Agreement
  - Provide funding
  - Obtain all necessary easements for the project
  - Project/Site Maintenance activities after completion and in-between nourishment cycles
    - In accordance with New Jersey CZM rules and applicable Beach and Dune Maintenance Permits from the NJ DEP’s Land Use Regulation Program
  - Adopt and implement beach management plan, if applicable
    - In compliance with applicable Endangered Species requirements
    - Required by the USFWS and the NJ DFW
State/ Municipal Shore Protection Projects

How does a municipality obtain shore protection funds?

- Submit a written request to the Bureau
- Provide project description and draft plans
- Provide a preliminary cost estimate

How does the DEP select projects to receive funding?

- Need and severity of problem
- Compliance with Federal, State, and Local rules and regulations
- Available funding at the time of the request
- Public Access availability
Municipalities Eligible for Shore Protection Funds

What We Need From the Municipality

- Provide Design Plans and Specification
- Sign State-Aid Agreement
  - Provide funding
  - Obtain all necessary easements for the project
  - Project/ Site Maintenance activities after completion and in-between nourishment cycles in accordance with all applicable rules and regulations
  - Adopt/ Implement beach management plan, if applicable, in compliance with applicable Endangered Species requirements. Must be approved by USFWS and NJ DFW
What We Provide To The Municipality

- Provide 75% share of construction funding
- Completes and submits applicable state and federal permit applications
- Conducts and oversees bidding process
- Conducts and oversees contract administration
- Monitors quality control and oversees operations throughout the construction process
State/ Municipal Shore Protection Projects
Little Egg Harbor Township - 2005 and 2007
State/ Municipal Shore Protection Projects
Cape May Point Gabions - 2001 and 2004
State/ Municipal Shore Protection Projects
Bivalve, Commercial Township - 2007
State/Municipal Shore Protection Projects

Wildwood Crest - Sunset Lake - 2006 and 2007
State/ Municipal Shore Protection Projects
Brooklawn - 2005 and 2009
State/ Municipal Shore Protection Projects

Beach Haven - 2006 and 2010
State/ Municipal Shore Protection Projects

Beach Haven - 2010

New Jersey Dept. Environmental Protection
Bureau of Coastal Engineering
Shore Protection Program
State/ Municipal Beach Nourishment Projects
Strathmere - 2009