Stewards of the Texas Coast

- 367 miles of gulf shoreline
- 3,300 miles of bay shoreline
- 18 coastal counties with 6.1 million residents (2010)
- 2 peninsulas and 6 barrier islands (including longest undeveloped barrier island in the world)
1999 – Passage of the Coastal Erosion Planning & Response Act (TNRC § 33.601 – 613) implements the CEPRA program on a biennium cycle that matches state-appropriated funds with local and/or other non-CEPRA match funds

- $112.3M in funding for the state
- $224.9M in funding from project partners
- 320 projects total
CEPRA Project Requirements

- Located in coastal zone boundary
- Full site access
- Gulf facing beaches have erosion rate of > 2 ft/yr
- Construction possible within two-year funding cycle (preferred)
- Complies with Texas Open Beaches Act *(TNRC Ch. 61)* and Dune Protection Act *(TNRC Ch. 63)*
- *(TNRC Ch. 63)* Local Erosion Response Plan filed (if applicable)
- Local match
  - Beach Nourishment – 25% min. partner *cost-share* match (can include dune restoration)
  - All other project types require a 40% min. partner *cost-share* match
The Role of the 2019 Coastal Resiliency Master Plan

• Priority list of Tier 1 projects determined in coordination with coastal stakeholders

• By utilizing the Resiliency Plan, the GLO is better positioned to leverage and capture additional funding streams

• Projects not in the 2019 Plan are applicable for CEPRA funding now
  • Applying for GLO funding for a project not currently identified in the Resiliency Plan allows it to be considered for funding in that cycle while also providing it a pathway to future Resiliency Plan consideration
### CEPRA Eligible Tier I Projects

**Region**

<table>
<thead>
<tr>
<th>Project Type</th>
<th>1A</th>
<th>1B</th>
<th>2</th>
<th>3</th>
<th>4</th>
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<tbody>
<tr>
<td><strong>Total</strong></td>
<td>9</td>
<td>13</td>
<td>12</td>
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<td>Beach Nourishment</td>
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<td>Dune Restoration</td>
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<td>0*</td>
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<tr>
<td>Shoreline Stabilization</td>
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<td>6</td>
<td>5</td>
<td>11</td>
<td>2</td>
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<tr>
<td>Marsh/Habitat Restoration</td>
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<td>5</td>
<td>3</td>
<td>7</td>
<td>1</td>
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<td>BUDM</td>
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<td>3</td>
<td>2</td>
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<tr>
<td>Structure Relocation/Demolition</td>
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<tr>
<td>Data Collection &amp; Studies</td>
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<td></td>
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<td></td>
<td>2</td>
</tr>
</tbody>
</table>

* Region 1B includes data collection & studies.

- Beach nourishment project in this region includes dune restoration.

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Coastal Erosion Data
Region 1
Coastal Erosion Data
Region 2
Coastal Erosion Data
Region 3
Coastal Erosion Data

Region 4

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CEPRA Project Types

• Data Collection & Studies
• Beach Nourishment - Gulf and Bay Beaches
• Dune Restoration
• Shoreline Stabilization
• Marsh/Habitat Restoration
• Beneficial Use of Dredged Material
• Structure Relocation/Demolition
Data Collection & Studies

Data Collection Examples
• Historical Erosion Rates
• Aerial Photography
• Geotechnical Investigations for Sand Sources

Study Examples
• USACE Upper Coast Erosion Feasibility Studies
• GLO Beach Monitoring and Maintenance Plan (BMMP)
• Sediment Management
• Economic & Natural Resource Benefit - Cost Studies of CEPRA Projects
• Coastwide Projects from the 2019 Resiliency Plan
• Demonstration Projects
Gulf Beach Nourishment
Gulf Beach Nourishment
Galveston Island

Galveston County, 2017
Gulf Beach Nourishment
Galveston Island West of Seawall

Galveston County, 2014

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Bay Beach Nourishment
Bay Beach Nourishment
Rockport Beach

Aransas County, 2016

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Bay Beach Nourishment
Sylvan Beach

Harris County, 2010
Bay Beach Nourishment
Indianola Beach

Calhoun County, 2003
Dune Restoration
Dune Restoration

Top Photo: Jamaica Beach, Galveston County

Bottom Photo: McFaddin NWR, Jefferson County
Marsh/Habitat Restoration
Marsh/Habitat Restoration
Virginia Point
Galveston County, 2016
Marsh/Habitat Restoration

Delehide Cove

Galveston County, 2006
Marsh/Habitat Restoration
Goose Island State Park

Aransas County, 2003
Marsh/Habitat Restoration
Nueces Bay Portland Causeway Marsh

Nueces and San Patricio County, 2015

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Marsh/Habitat Restoration
Arturo Galvan Coastal Park Living Shoreline

Cameron County, 2015
Shoreline Stabilization
Shoreline Stabilization
Moses Lake

Galveston County, 2015
Shoreline Stabilization

GIWW (McFaddin NWR)

Jefferson County, 2009
Shoreline Stabilization
Port Aransas Nature Preserve

Nueces County, 2013
Shoreline Stabilization
Indian Point
San Patricio County, 2015
Beneficial Use of Dredged Material
Beneficial Use of Dredged Material

Chester Island

Matagorda County, 2017
Beneficial Use of Dredged Material
South Padre Island
BUDM from Brownsville Ship Channel

Cameron County, 2013 & 2016
CEPRA Cycle 12 Key Dates

June 1, 2021
• Submit application by Tuesday, June 1 at 5 p.m.

Fall 2021
• Receive notification regarding status categorization of project
• Projects eligible to start
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THE REPUBLIC OF TEXAS CREATED THE GENERAL LAND OFFICE IN 1836.

The oldest state agency in Texas, the GLO was formed to determine who owned what and where after the Texans and Téjanos won independence. Today the General Land Office manages state lands, operates the Alaska, helps Texans recovering from natural disasters, helps fund Texas public education through the Permanent School Fund, provides benefits to Texas Veterans, and manages the vast Texas coast.