Public Infrastructure Project Funding
CPRA Program Overview

ACEC LOUISIANA FALL CONFERENCE
NOVEMBER 5, 2020

BREN HAASE
EXECUTIVE DIRECTOR
COASTAL PROTECTION & RESTORATION AUTHORITY
Coastal Protection And Restoration Authority

The single state entity with the authority to articulate a clear statement of priorities to achieve comprehensive coastal protection and restoration for Louisiana.

Mandate: Develop and implement a comprehensive coastal protection and restoration master plan.
Louisiana’s Comprehensive Master Plan for a Sustainable Coast

- Updated every 6 years
- Articulates an integrated and comprehensive vision
- Provides a list of projects
- Resource constrained
Our 2017 Plan

- 124 projects totaling $50 Billion
- $25 Billion for Restoration
- $25 Billion for Risk Reduction
- Compared to “Future Without Action” Builds/Maintains 800 - 1,200 Square Miles
• Updated every year

• Serves as implementation vehicle for the Master Plan

• Provides a 3-year outlook on project funding, schedules and expenditures
Our Projects
committed to our coast
101 Active Projects

65 in PLANNING or E&D
36 in CONSTRUCTION
63 RESTORATION PROJECTS
  » $9 Billion - Benefiting 143,000 acres
  » 41 Marsh Creation
  » 3 Barrier Islands
  » 5 Diversions
  » 3 Hydrologic Restoration
  » 4 Shoreline Protection
  » 1 Oyster Barrier Reef
  » 6 Other

30 HURRICANE PROTECTION PROJECTS
  » $3.8 Billion, improving 119 miles of levees

8 RECREATIONAL USE PROJECTS
  » $26.4 Million
Barataria Basin Ridge & Marsh Creation

Spanish Pass Increment

Legend
- GLW Borrow Area
- Marsh and Ridge Fill Area
- MR Borrow Areas
- Sediment Pipeline Corridor

NRDA funded $100.3 Million

13 Million CY of sediment

Creating/Nourishing
1,700 acres of Marsh
132 acres of Ridge

Construction Advertisement
October 20, 2020

Bid Opening
November 18, 2020

Construction Duration
Approximately 2 years
West Shore Lake Pontchartrain/Maurepas Diversion

$760 million USACE/CPRA partnership
(CPRA Surplus and GOMESA funds)

Jointly implemented by CPRA & USACE
(shared E&D/Construction responsibilities)
West Shore Lake Pontchartrain/Maurepas Diversion
West Shore Lake Pontchartrain/Maurepas Diversion

River Reintroduction Into Maurepas Swamp

- Freshwater Diversion Channel
- Mississippi River to Maurepas Swamp
- Shares 2.5 Miles With WSLP Alignment
- Integrating Design with USACE
- $200 million RESTORE
- CPRA is Project Lead
Terrebonne Basin Barrier Island & Beach Nourishment

- 1,100 acres using 9.2 million cubic yards from Ship Shoal
- Largest barrier/headland project by area

Funded by NFWF $168 Million
Rabbit Island Restoration Project

- Sediment Dredged from Calcasieu Ship Channel
- Land Benefit: 88 Acres
- Construction Contract Awarded to Weeks Marine ($7.3 Million)

Funded by
NRDA
$16.4 Million

Restoring 88 Acres of Bird Habitat
Similar to Successful Queen Bess Restoration
## CORNERSTONE PROJECTS

**Unprecedented Scope and Scale**

<table>
<thead>
<tr>
<th>Cornerstone Project</th>
<th>E&amp;D</th>
<th>Construction</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calcasieu Salinity Control Measures</td>
<td>$25 million</td>
<td>$235 million</td>
<td>$240 million</td>
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<tr>
<td>Increase Atchafalaya Flow to Terrebonne</td>
<td>$37 million</td>
<td>$378 million</td>
<td>$415 million</td>
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<tr>
<td>Terrebonne Basin Barrier Island Restoration</td>
<td>$6.1 million</td>
<td>$162 million</td>
<td>$168 million</td>
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<tr>
<td>Houma Navigation Lock Complex</td>
<td>$34 million</td>
<td>$323 million</td>
<td>$357 million</td>
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<td>Mid-Barataria Sediment Diversion</td>
<td>$127 million</td>
<td>$1.3 million</td>
<td>$1.4 billion</td>
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<td>Mid-Breton Sediment Diversion</td>
<td>$99 million</td>
<td>$699 million</td>
<td>$798 million</td>
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<tr>
<td>River Reintroduction into Maurepas Swamp</td>
<td>$14.2 million</td>
<td>$186 million</td>
<td>$200 million</td>
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</table>

**Life of project TOTALS:** $342 Million | $3.3 Billion | $3.7 Billion
Our Forecast

committed to our coast
TOTAL Projected Expenditures: Fiscal Years ‘21, 22, ‘23

By Project Phase

Planning: 3%
Engineering & Design: 4%
Construction: 3%
Operation, Maintenance & Monitoring: 1%
Ongoing Programs & Initiatives: 9%
Operating Costs: 82%

FY 2021
$1.08B

FY 2022
$1.15B

FY 2023
$1.11B
90% of Expenditures are Project-Associated

- **Planning**: 10 projects, $16 million
- **Engineering & Design**: 42 projects, $110 million
  - 83,097 acres benefited & 2 miles of levee
- **Construction**: 68 projects, $804 million
  - 61,052 acres benefited & 118 miles of levee
- **OM&M**: 164 projects, $44.9 million
Our Forecast: Southwest Coastal Region

14 ACTIVE PROJECTS: 6 in Construction - 8 in E&D

Projects in Construction:
CS-0049 Cameron-Creole Freshwater Introduction
CS-0066 Cameron Meadows Marsh & Terracing
CS-0080 Rabbit Island Restoration
ME-0020 South Grand Chenier Marsh Creation
ME-0036 Rockefeller Piers and Signage
ME-0037 Rockefeller Refuge Shoreline Protection
Our Forecast: South Central Coastal Region

37 ACTIVE PROJECTS: 25 in Construction - 9 in E&D - 3 in Planning
Projects in Construction:

- BA-0067 New Orleans to Venice
- BA-0075-1 Jean Lafitte Tidal Protection
- BA-0075-2 HSDRRS Mitigation - WBV
- BA-0109 Northwest Turtle Bay Marsh Creation
- BA-0154 Previously Authorized Mitigation WBV
- BA-0171 Caminada Headlands Back Barrier Marsh Creation
- BA-0197 West Grand Terre Beach Nourishment and Stabilization
- BA-0203 Barataria Basin Ridge and Marsh Restoration-Spanish Pass
- BA-0207 Large-Scale Barataria Marsh Creation
- BA-0210 Grand Isle & Vicinity Breakwater
- BA-0213 Bayou Segnette State Park Improvements
- BA-0214 Grand Isle State Park Improvements
- BA-0218 Levee Improvements for Gheens Community
- BA-0221 Pumping Capacity Improvements Phase 1
- BA-0231 Storm Surge Risk Reduction for Reach E-North
- BA-0232 Des Allemands FDA Pump Station Rehabilitation
- BA-0233 Grand Isle Bayside Breakwater
- BA-0240 Grande Cheniere Ridge and Marsh Creation
- BA-0244 T-Wall Kellogg Pump Station
- BA-0246 Storm Surge Risk Reduction: Section D-South to Elev. +18 ft
- BA-0247 Storm Surge Risk Reduction: Section D-South at Crawfish Farm
- MR-0169 Pass a Loutre Crevasses NRDA
- MR-0170 Pass a Loutre Campgrounds NRDA
- PO-0001 Violet Canal Repairs
- PO-0029 Mississippi River Reintroduction into Maurepas Swamp
- PO-0057 SELA- Overall
- PO-0062 West Shore-Lake Pontchartrain Hurricane Protection
- PO-0075 LaBranche East Marsh Creation
- PO-0121 HSDRRS Mitigation - LPV
- PO-0163 Golden Triangle Marsh Creation
- PO-0169 N.O. Landbridge Shoreline Stabilization & Marsh Creation
- PO-0174 Biloxi Marsh Living Shoreline Project
- PO-0180 Lake Borgne Marsh Creation - Increment 1
- PO-0185 St. Bernard Pump Station Repairs
- PO-0187 Jefferson Parish Lakefront Project
- PR-0001 Middle Pearl River WMA Boat Launch

Our Forecast: Southeast Coastal Region

69 ACTIVE PROJECTS: 37 in Construction - 25 in E&D - 7 in Planning

Projects not included on map:

- BA-0158, BA-0159, BA-0211, BA-0212, PO-0182, LA-0276, LA-0290, MR-0166, Reach L Mitigation (SLLD), Storm Surge Risk Reduction for reach D-South, Floodwall Improvements for D-South at Crawfish Farm, Magnolia Ridge Levee Pipeline T-Wall, Goose Bayou (Penn Levee), 100-yr Levee Lift, NOV-NF-W-4 Oakville to LaReusitte and MRL 179
Our Forecast: New Construction Starts

Over the Next 6 Months: Total Value ~ $1.7 Billion

- BLFWD Pumping Capacity Improvements Phase 1 (GOMESA)- $65M*
- Elliot Jones Pump Station (GOMESA)- $12.7M*
- Middle Pearl River WMA Boat Launch (NRDA)- $575,000
- Section D Storm Surge & Risk Reduction (GOMESA)- ~$500,000*
- Section D South Floodwall (GOMESA)- $1.8M*
- Lake Borgne Marsh Creation- Increment 1 (NRDA)- $114.7M
- N.O. Landbridge Shoreline/Marsh Creation (CWPPRA)- $25.4M
- Biloxi Marsh Living Shoreline Project (RESTORE/NRDA)- $57.8M
- Golden Triangle Marsh Creation (RESTORE/NRDA)- $50M
- West Shore-Lake Pontchartrain (USACE/State)- $760M
- South Grand Cheniere Marsh Creation (CWPPRA)- $23.9M*
- HNC Lock Complex Phase 1 (RESTORE)- $30M*
- Large-Scale Barataria Marsh Creation (NRDA)- $178M*

* Externally led contract
See Annual Plan for full listing: http://coastal.la.gov/our-plan/annual-plan/
## Our Forecast: Dredging Contracts Over the Next 3 Years

<table>
<thead>
<tr>
<th>Project ID</th>
<th>Project Name</th>
<th>Phase</th>
<th>Funding Program</th>
<th>Estimated Dredge Volume</th>
<th>Borrow Site</th>
<th>2020</th>
<th>2021</th>
<th>2022</th>
<th>2023</th>
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<tr>
<td>BA-0125</td>
<td>Northwest Turtle Bay Marsh Creation</td>
<td>Construction</td>
<td>CWPPRA</td>
<td>2,200,000</td>
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<td>TE-0143</td>
<td>Terrebonne Basin Barrier Island - Hydraulic</td>
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<td>BA-0171</td>
<td>Caminada Headland Back Barrier Marsh Creation</td>
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<td>CS-0080</td>
<td>Rabbit Island Restoration Project</td>
<td>Construction</td>
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<td>Calcasieu Ship Channel</td>
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<td>Cameron Meadows Marsh Creation and Terracing</td>
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<td>BA-0197</td>
<td>West Grand Terre Beach Nourishment and Stabilization</td>
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<td>TE-0138</td>
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<td>Construction</td>
<td>CWPPRA</td>
<td>2,900,000</td>
<td>Lake Decade</td>
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<td>BA-0210</td>
<td>Grand Isle and Vicinity: West End Beach Nourishment</td>
<td>Construction</td>
<td>GOMESA</td>
<td>750,000</td>
<td>Caminada Pass</td>
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<td>Barataria Basin Ridge and Marsh Creation - Spanish Pass Inc.</td>
<td>Advertised</td>
<td>NRDA</td>
<td>12,200,000</td>
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<td>PO-0180</td>
<td>Lake Borgne Marsh Creation - Increment One</td>
<td>E&amp;D</td>
<td>NRDA</td>
<td>13,200,000</td>
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<td>ME-0020</td>
<td>South Grand Chenier Marsh Creation</td>
<td>E&amp;D</td>
<td>CWPPRA</td>
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<td>PO-0169</td>
<td>New Orleans Landbridge Shoreline Stab. and Marsh Creation</td>
<td>E&amp;D</td>
<td>CWPPRA</td>
<td>1,300,000</td>
<td>Lake Pontchartrain</td>
<td>C1</td>
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<td>PO-0165</td>
<td>Golden Triangle Marsh Creation</td>
<td>E&amp;D</td>
<td>RESTORE/NRDA</td>
<td>4,000,000</td>
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<td>BA-0240</td>
<td>Grande Cheniere Ridge Marsh Creation</td>
<td>E&amp;D</td>
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<td>5,000,000</td>
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<td>West Fourchon Marsh Creation</td>
<td>E&amp;D</td>
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<td>BA-0287</td>
<td>Large-Scale Barataria Marsh Creation - Upper Barataria Inc.</td>
<td>E&amp;D</td>
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<td>PO-0077</td>
<td>Labranche East Marsh Creation</td>
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<td>TE-0139</td>
<td>Terrebonne Bay Marsh and Ridge Restoration - Bayou Terrebonne Inc. vc.</td>
<td>E&amp;D</td>
<td>NRDA</td>
<td>9,100,000</td>
<td>Terrebonne Bay</td>
<td>C1</td>
<td>C2</td>
<td>C3</td>
<td>C4</td>
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</tbody>
</table>
Doing Business With CPRA

committed to our coast
CURRENTLY ACTIVE 3-year Contracts with Staggered Start/End Dates – Through 12/31/2022

- 29 General and Coastal Engineering Services Contracts
- 7 Limited Engineering Services contracts
- 7 Geotechnical Engineering Services contracts
- 7 Surveying Services contracts

Amount Tasked:

<table>
<thead>
<tr>
<th>Category</th>
<th>Contract Value</th>
<th>Amount Tasked</th>
<th>Percent</th>
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<tbody>
<tr>
<td>Engineering</td>
<td>$ 69.3 million</td>
<td>$21,878,097</td>
<td>32%</td>
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<tr>
<td>Geotech</td>
<td>$ 10.5 million</td>
<td>$2,683,002</td>
<td>26%</td>
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<tr>
<td>Surveying</td>
<td>$ 7.85 million</td>
<td>$2,799,057</td>
<td>36%</td>
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CONTRACTS EXPIRED on 8/31/2020

- 10 General and Coastal Engineering Services Contracts
- 2 Geotechnical Engineering Services contracts
- 2 Surveying Services contracts

Amount Tasked:

<table>
<thead>
<tr>
<th>Category</th>
<th>Contract Value</th>
<th>Amount Tasked</th>
<th>Percent</th>
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<tbody>
<tr>
<td>Engineering</td>
<td>$ 20 million</td>
<td>$ 12,530,574</td>
<td>63%</td>
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<tr>
<td>Geotech</td>
<td>$ 3 million</td>
<td>$ 1,753,035</td>
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<td>Surveying</td>
<td>$ 2 million</td>
<td>$ 1,431,110</td>
<td>72%</td>
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coastal.la.gov/resources/rfps-rsiqs-contracts/
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