CPRA IMPLEMENTATION and 2023 COASTAL MASTER PLAN
COMMOTTED TO OUR COAST
Terrebonne Parish
Single state entity with authority to articulate a clear statement of priorities to achieve comprehensive coastal protection for Louisiana.

Mandate is to develop, implement, and enforce a comprehensive coastal protection and restoration Master Plan.
WHAT IS THE COASTAL MASTER PLAN?

• Advances a comprehensive and integrated approach to protection and restoration
  – Identifies investments that will pay off in the near- and long-term

• Built on world class science and engineering
  – Incorporates extensive public input and review, addresses feedback
  – Required by law to be updated every six years
2023 COASTAL MASTER PLAN
PROJECT SELECTION PROCESS

COASTAL PROJECTS
IDENTIFY CANDIDATE PROJECTS

PREDICTIVE MODELS
MODEL PROJECTS
MODEL ALTERNATIVES

PLANNING TOOL
COMPARE PROJECTS & DEVELOP ALTERNATIVES
COMPARE ALTERNATIVES
DEVELOP DRAFT & FINAL PLAN

OUTREACH & ENGAGEMENT
2017 COASTAL MASTER PLAN

124 PROJECTS
FLOOD DAMAGE REDUCED BY $150B
802 SQUARE MILES OF LAND CREATED

PROJECT TYPES

Small scale hydrologic restoration and oyster reef/living shoreline projects are included programmatically in the 2017 Coastal Master Plan. Consistency of individual projects will be determined on a case-by-case basis.
2017 COASTAL MASTER PLAN
FUNDING BY PROJECT TYPE

TOTAL FUNDING
$50 BILLION

BILLIONS

$20
$15
$10
$5
$0

BARRIER ISLAND RESTORATION
HYDROLOGIC RESTORATION
MARSH CREATION
RIDGE RESTORATION
SEDIMENT DIVERSION
SHORELINE PROTECTION
STRUCTURAL
NONSTRUCTURAL

RESTORATION $25B
RISK REDUCTION $25B

$1.5B
$0.4B
$17.8B
$0.1B
$5.1B
$0.9B
$19B
$6B
WHAT’S IN THE 2017 COASTAL MASTER PLAN FOR TERREBONNE PARISH?

PROJECT TYPES

2017 MASTER PLAN PROJECTS

Risk Reduction Projects: Year 1-30
+ 03a.HP.02b: Morganza to the Gulf
+ 03b.HP.13: Bayou Chene
+ TER.01N: Lower Terrebonne Nonstructural Risk Reduction
+ TER.02N: Houma Nonstructural Risk Reduction

Restoration Projects: Year 1-10
+ 03a.DI.05: Atchafalaya River Diversion
+ 03b.DI.04: Increase Atchafalaya Flow to Terrebonne
+ 03a.HR.02: Central Terrebonne Hydrologic Restoration
+ 03a.MC.03p: Terrebonne Bay Rim Marsh Creation Study
+ 03a.RC.04: Mauvais Bois Ridge Restoration
+ 03a.RC.06: Bayou Pointe aux Chenes Ridge Restoration

Restoration Projects: Year 11-30
+ 03a.MC.09b: North Terrebonne Bay Marsh Creation- Comp B
+ 03a.MC.100: South Terrebonne Marsh Creation
+ 03a.MC.101: North Lake Mechant Marsh Creation
+ 03a.RC.02: Bayou Dulaire Ridge Restoration
+ 03a.RC.05: Bayou Terrebonne Ridge Restoration
+ 03a.SP.100: North Lake Boudreaux Shoreline Protection

Restoration Projects: Year 31-50
+ 03b.MC.09: Point Au Fer Island Marsh Creation

Note: Barrier islands and headlands will be addressed through CPRA’s Barrier Island Program.
PROJECT IMPLEMENTATION
COASTAL MASTER PLAN PROCESS

OBJECTIVES – Project Selection

- **Coastal Master Plan**
  - Conceptual design
  - every 6 years

- **Feasibility Studies**
  - < 30% design
  - ongoing

- **Operations, Maintenance, and Adaptive Management**

- **Construction**

- **Engineering and Design**
  - 100% design
TOTAL Projected Expenditures FY20, FY21, FY22
By Project Phase

FY 2021 TOTAL Projected Expenditures
$738 million

FY 2020 TOTAL Projected Expenditures
$783 million

FY 2022 TOTAL Projected Expenditures
$938 million

Construction
Operation, Maintenance, Monitoring
Programs
Operating Costs
Planning
Engineering & Design
ONGOING WORK

• Projects in Engineering and Design: 8
  – Increase Atchafalaya Flow to Terrebonne - $415,215,000
  – Houma Navigation Canal Lock Complex - $357,784,732
  – Island Road Marsh Creation and Nourishment - $40,435,267
  – Terrebonne Basin Ridge and Marsh Creation – Bayou Terrebonne Increment - $125,450,000
  – Bayou DeCade Ridge and Marsh Creation - $34,400,000
  – Pointe-aux-Chenes WMA Enhancements NRDA Rec Use - $5,000,000
  – LaCache Pump Station– $2,000,000
  – Statewide Artificial Reefs – NRDA Rec Use– $6,000,000

Total Investment for 8 Projects in Engineering and Design: $986,284,999
HNC Lock

- Largest Component of Morganza to the Gulf
- Ecosystem Restoration & Hurricane Protection
- E&D fully funded RESTORE and Surplus
- Construction $386M RESTORE
ONGOING WORK

• Projects in Construction: 3
  – Morganza to the Gulf - Estimated Cost $391,600,000
  – Terrebonne Basin Barrier Island and Beach Nourishment - Estimated Cost $159,974,156
  – Island Road Fishing Piers NRDA Rec Use - Estimated Cost $3,000,000

  Total Investment for 3 Projects in Construction: $554,574,156
Recently Completed Projects

- **Completed Projects: 5**
  - Falgout Canal Road Levee  - Total Cost $24,803,191
  - Lost Lake Marsh Creation and Hydrologic Restoration - Total Cost $37,119,324
  - NRDA Caillou Lake Headlands - Total Cost $118,340,766
  - HNC Deepening Section 2013 Study - Total Cost $686,725
  - Breach Management Plan - Total Cost $471,340

Total Investment for 5 Completed Projects: $181,421,346
COASTAL MASTER PLAN PROCESS

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- Operations, Maintenance, and Adaptive Management
- Construction
- Engineering and Design
  - 100% design

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2023 Coastal Master Plan
NEW PROJECT DEVELOPMENT
OVERVIEW

CPRA solicited new project concepts to be evaluated for inclusion in the 2023 Coastal Master Plan.

Goal: facilitate an engaged process to identify project concepts that will improve master plan outcomes, particularly for areas where FWA conditions are stark.

Process:
• Public Solicitation of New Project Concepts
• Regional Workgroups

FWA = Future With Action
PUBLIC SOLICITATION
GUIDELINES AND CRITERIA

New projects or project concepts can be proposed by any source, including academia, parishes, agencies, NGOs, landowners, business/industry, and the general public.

Add image of 2017 Master Plan projects
Projects can be proposed that:

- Build and/or sustain land (including “Integrated Projects”)
- Provide significant storm surge-based flood risk reduction
- Address future uncertainty challenges or directly support future transitions in the coastal ecosystem
PUBLIC SOLICITATION
PROJECT TYPES

Included in Public Solicitation for new project ideas:

To be considered programmatically:
PUBLIC SOLICITATION SCREENING CRITERIA

Like the 2017 plan, a screening process will be used to determine whether a project has the potential to be included in the 2023 analysis.

Screening Criteria include:
- Consistency with Master Plan Objectives and Principles
- Magnitude of Expected Effects
- Geographic Area
- Duplicative Effects
- Adequate Information
PUBLIC SOLICITATION
SUBMITTAL DETAILS

Proposals should be delivered electronically, in .pdf format, to MasterPlan@la.gov or mailed to the Coastal Master Plan Project Development Program at P.O. Box 44027, Baton Rouge, Louisiana, 70804 and received by February 14, 2020.

Proposals should be no more than 7 pages
– 1-2 pages for Cover Sheet and Contact Information
– 2 pages for Project Description
– 1 page for Map
– 1-2 pages for Project Attributes

Questions can be sent to MasterPlan@la.gov.
QUESTIONS?

coastal.la.gov

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