



2017 Coastal Master Plan New Project Development Program

Background

Each update to the Coastal Master Plan builds on the past and establishes a clear vision for the future, but it is not the last word. Refinements and improvements to the tools used to assist in the development of the Master Plan are underway but these tools need to analyze and review specific projects. In order to develop the list of candidate projects for the 2017 Coastal Master Plan, CPRA used the process described below.

CPRA solicited the public and stakeholders to submit new projects that:

- build and/or sustain land;
- provide significant flood risk reduction;
- address radical shifts in the coastal landscape;
- confront future uncertainty challenges.

Each project submission was screened using the following criteria:

- **Size Threshold:** For Marsh Creation projects, a minimum size threshold of 500 acres (i.e., the expected project effect on the coastal landscape) will be required for a project to be considered for inclusion in the 2017 Coastal Master Plan analysis. Like the 2012 Coastal Master Plan, the 2017 plan will involve a large-scale, regional approach to coastal risk reduction and restoration. The heart of the master plan's analysis is an interconnected suite of predictive models that estimate restoration and risk reduction effects of candidate projects on various aspects of the coastal system. These models were developed for a system-wide, planning scale analysis, and consequently in some cases are unable to capture the effects of small-scale, localized projects in the coastal system.
- **Geographic Area:** The 2012 Coastal Master Plan screened out certain types of project concepts in some locations (e.g., marsh creation projects in the lower Atchafalaya or Wax Lake Deltas) because natural processes in those locations could be expected to produce similar results, and investment in restoration projects in these areas would be unnecessary. Based on the current state of the Louisiana coast, the 2017 plan will likewise screen out projects where natural processes are already producing the desired effects.
- **Adequate Information:** Project concepts need to be described in sufficient detail so that they can be evaluated using the master plan models. Adequate information typically includes specific geospatial location data (for all project concepts),

elevations (for risk reduction projects), and, where applicable, information on proposed operational regimes (for restoration projects).

- **Consistency with Master Plan Objectives and Principles:** Project concepts need to clearly contribute and be consistent with the principles and objectives of the master plan (<http://coastal.la.gov/a-common-vision/2012-coastal-master-plan/>) to be considered for inclusion. Projects that do not meet these criteria will be eliminated from consideration. Furthermore, as stated in our master plan principles, we will strive to use sediment from renewable sources, such as the Mississippi River, or from outside the coastal system, such as the Gulf of Mexico, for marsh creation projects.
- **Duplicative Effects:** Many project concepts have overlapping scopes, goals, and physical locations. New projects must be significantly different than any project analyzed through the 2012 master plan process, including those that were not selected in the final plan (<http://www.coastalmasterplan.louisiana.gov/2012-master-plan/projects/candidate-projects/>).

2017 Coastal Master Plan New Project Development Program Submissions

Project Title	Project Type	Decision
Adams Bay Headland Restoration	RR; MC	Partial
AGMAC Marsh Creation Project from Beneficial Use of Dredged Material	MC	Partial
Armoring of the Tidal Levee in Delacroix Island, St. Bernard Parish	SFP	NO
Avoca Island Diversion	HR	NO
Barataria/Terrebonne Basin Marsh Terracing Program	OT	NO
Bay Denesse Outfall Management	OT	NO
Bayou Aux Chenes Ridge Restoration	RR; MC	Partial
Bayou Cane Marsh Creation	MC	YES
Bayou Decade Marsh Creation	MC	NO
Bayou Dularge Marsh Creation	MC; SP	NO
Bayou Eau Noir Ridge Restoration	RR; MC	Partial
Bayou La Loutre Ridge Restoration Project	RR	NO
Bayou Lacombe Marsh Creation	MC	YES
Bayou Lafourche East Bank	MC	NO
Bayou L'Ours Restoration	HR; MC	NO
Bayou Penchant Marsh Creation	MC	NO
Bayou Sauveur Marsh Creation Land Bridge	MC	Subsumed
Bayou Terre aux Boeufs Ridge Restoration Project	RR	YES
Bayou Terrebonne Freshwater Diversion into Grand Montegut and PAC/DU wetlands	HR	N/A
Bayou Terrebonne to Isle St. Jean Charles Land Bridge	MC	NO
Bell Island Marsh Creation	MC	NO
Belle Pass to Golden Meadow Marsh Creation	MC	Subsumed
Big Branch Marsh Restoration	MC	Subsumed
Biloxi Marsh Creation	MC	NO
Biloxi Marsh Subtidal and Fringe Oyster Reefs	OR	Partial
Bully Camp Marsh Creation	MC	NO
Caernarvon Freshwater Distribution - East	HR	NO

2017 Coastal Master Plan New Project Development Program Submissions

Project Title	Project Type	Decision
Caillou Lake - Lake Mechant Marsh Creation	MC	NO
Calcasieu Lake East and West Fringe Oyster Reefs	OR	N/A
Calcasieu Lake West Bank	MC	YES
Cameron Meadows Marsh Creation, Phase II	MC	Subsumed
Cameron Parish Comprehensive Plan	HR; MC; RR; SP	Partial
Carlisle Ridge Restoration	RR; MC	Partial
Channel Restrictions at Bayou Dupont, Harvey Cut, Bayou Perot and Barataria Waterway	HR	N/A
Controllable Coastline Creation via Positive Displacement Sediment Pumping	MC	NO
Cote Blanche Freshwater & Sediment Introduction & Shoreline Protection Project	HR; SP	N/A
Design and Construction of Braithwaite to White Ditch back levee	SFP	NO
Design and Construction of Fort Jackson to Venice back levee (HSDRRS NOV-o8)	SFP	YES
Design and Construction of Oakville to La Reussite back levee (HSDRRS NOV-NFL-04a) and MRL Oakville to La Reussite (MRL-WB-179)	SFP	YES
Design and Construction of Phoenix to Bohemia back levee (HSDRRS Nov - 01)	SFP	NO
Design and Construction of St. Jude to City Price back levee (NOV-05a) and MRL St. Jude to City Price (NOV 09)	SFP	YES
Drum Island Marsh Creation	MC	NO
Dulac - Cocodrie Marsh Creation	MC	NO
East Bank Land Bridge (Alternative A) Marsh Creation	MC	Subsumed
East Bank Land Bridge (Alternative B) Marsh Creation	MC	YES
East Bank Land Bridge (Alternative C) Marsh Creation	MC	Subsumed
East Bank Land Bridge (Alternative D) Marsh Creation	MC	Subsumed
East Bank Oyster Barrier Reef	OR	N/A
East Golden Meadow Marsh Creation	MC	NO
East Maurepas Swamp Diversion Project	SD	YES
East St. Tammany Storm Surge Structural Protection Project	OT	NO

2017 Coastal Master Plan New Project Development Program Submissions

Project Title	Project Type	Decision
Eastern Lake Borgne Shoreline Protection	SP	NO
Eloi Bay Subtidal and Fringe Oyster Reefs	OR	N/A
Expansion of Large-Scale Barataria Marsh Creation Component E (002.MC.05e)	MC	NO
Faciane Canal Marsh Creation	MC	YES
Falgout Canal Marsh Creation	MC	Subsumed
Fifi Island Restoration Project	MC;SP	Partial
Freshwater Diversion from GIWW down Grand Bayou in Lafource Parish	HR	Subsumed
Fritchie North Marsh Creation	MC	YES
Geologic Framework Preservation Through Innovative Reef Building	OR	N/A
Golden Meadow – Montegut Marsh Creation	MC	NO
Grand Bayou Freshwater Enhancement	HR; MC	Subsumed
Grand Bayou Freshwater Reintroduction	SD; MC	Partial
Grand Bayou Ridge Restoration	RR; MC	Partial
Grand Chenier Subtidal Oyster Reefs	OR	N/A
Grand Lake Shoreline Marsh Creation	MC	Subsumed
Gulf Future Coalition non-structural adaptation and community resiliency	OT	N/A
Guste Island Marsh Creation	MC	YES
HNC - Lake Mechant Marsh Creation	MC	NO
Iron Banks Marsh Creation	MC	NO
Jesuit Bend Marsh Creation Site	MC	NO
LaBranche Wetlands Freshwater & Sediment Diversion Project	HR	YES
LaBranche Wetlands Shoreline Protection	SP	Partial
Lake Hermitage Shoreline Protection	SP	YES
Lake Hermitage South Marsh Creation	MC	NO
Lake Salvador Shoreline Protection	SP	YES
Large Scale Barataria - Barataria Bay Rim Marsh Creation	MC	Partial
Leeville Area Bank Stabilization along the Southeast and Southwest Canals	BS	YES

2017 Coastal Master Plan New Project Development Program Submissions

Project Title	Project Type	Decision
Leeville Ridge Restoration and Marsh Creation	RR	NO
Marsh Creation Through Beneficial Use of Dredged Material from Baptiste Collette Bayou Navigation Channel Deepening	MC	NO
Marsh Creation via Atchafalaya Long Distance Sediment Pipeline	SD; MC	Partial
Mermentau Marsh Restoration	SP; OT	NO
Mid Breton Marsh Creation Land Bridge	MC	NO
Mid-Barataria Oyster Breakwater & Brood Stock Sanctuary - Pilot Project	OR	N/A
Mississippi River Long Distance Sediment Pipeline - West of Barataria Waterway	MC; RR	NO
MRGO Shoreline Protection	SP	NO
MSR East Bank	MC	NO
MSR West Bank South	MC	NO
New Orleans East Land Bridge Marsh Creation	MC	Subsumed
North East Tangipahoa Shoreline Protection	SP	YES
North Goose Point Marsh Restoration	MC	Subsumed
North Lake Boudreaux Marsh Creation and Shoreline Protection Project	MC; SP	Partial
North Lost Lake Marsh Creation and Hydrologic Restoration Project	MC; HR	NO
North Terrebonne Bay Marsh Creation	MC	NO
Overbank Spillway (s) into Upper Barataria Coastal Forests	OT	NO
Overbank Spillway (s) into Upper Pontchartrain Coastal Forest	OT	NO
Oysterville Project	OR	N/A
Pass-A-Loutre Hydrologic Restoration and Marsh Creation Project	HR;MC	NO
Pelto Bay to Point Au Fer Subtidal and Fringe Oyster Reefs	OR	N/A
Point a la Hache Marsh Creation (Central)	MC	YES
Point a la Hache Marsh Creation (North)	MC	YES
Point a la Hache Marsh Creation (South)	MC	YES
Pointe a la Hache Ridge Restoration	RR; MC	Partial

2017 Coastal Master Plan New Project Development Program Submissions

Project Title	Project Type	Decision
Proposal for the Use of Harvested Water Hyacinth in Burlap "Geomembranes" for Creation of Silt Barriers in Louisiana Wetlands	OT	NO
Protecting our marsh restoration projects and natural marshes through feral hog removal	OT	NO
Protecting our marsh restoration projects and natural marshes through invasive plant species control	OT	NO
Red Pass Ridge Restoration	RR; MC	Partial
Restoration of Chandeleur Barrier Island Complex	BI	NO
Ridge Restoration Modification Project	RR	NO
Sabine Marsh Creation Browns Lake Area	MC	NO
SCA Gulf Restoration Corps Marsh Creation Project	SD	NO
Sediment and Freshwater Diversions Using Very Large Spillways and Above Ground Reservoirs	SD	NO
Sediment Diversion Efficiency Along the Atchafalaya and Mississippi Rivers	HR	N/A
Sediment Enhancement and Management of the Caernarvon Diversion	SD; HR	NO
Shoreline Protection along the Gulf and Bay Shoreline from Oyster Bayou to Grand Pass des Illettes	SP	NO
Shoreline Protection along Lake Salvador (south of Couba Island)	SP	Partial
Shoreline Protection at Lost Lake - Southern Rim	SP	YES
Shoreline Protection East Marsh Island	SP	YES
Shoreline Protection in East Cote Blanche Bay, West Cote Blanche, and Vermilion Bay	SP	NO
Small Bayou LaPointe Marsh Creation	MC	Subsumed
South Avoca Island Freshwater Diversion (5,000 cfs)	SD	NO
Southeast Marsh Island Restoration Project	MC	YES
South East Tangipahoa Shoreline Protection	SP	NO
South Lake Salvador Landbridge Restoration	MC; SP	Partial
South Sabine Refuge Pool 3 Marsh Restoration	MC	Subsumed
Southeast LaBranche Wetland Creation and Nourishment Project	MC	NO
Southwest Barataria Subtidal and Fringe Oyster Reefs	OR	N/A
Southwest Pecan Island Marsh Restoration	MC	NO
Spanish Lake Shoreline Marsh Creation	MC	YES

2017 Coastal Master Plan New Project Development Program Submissions

Project Title	Project Type	Decision
St. Bernard Bioengineered Reef Zones	OR	N/A
St. Tammany Parish Elevation	OT	N/A
Strategic Stabilization Barrier	SP	Partial
Sulphur Mine Land Bridge Restoration Project	MC	NO
Sunrise Point Marsh Creation	MC	YES
Telegraph Point/Pelican Island Marsh Creation	MC	NO
Terrebonne Bay Rim Subtidal and Fringe Oyster Reef Restoration	OR	N/A
Third Delta Conveyance Channel	SD	NO
Tiger Ridge/Maple Knoll Area Marsh Creation	MC	YES
Triple Pass Island Marsh Creation	MC	NO
Twin Pipeline Canal Marsh Creation and Ridge Restoration	RR; MC	NO
Twin Pipelines Land Bridge	MC	NO
Uhlan Bay Marsh Creation	MC	YES
Vermilion Bay Marsh Creation	MC; SP	Partial
Wax Lake Outlet Enrichment Project	SD; MC	NO
West Bank Barrier Island Expansion	BI	NO
West Bank Oyster Barrier Reef	OR	N/A
West Belle Pass Marsh Creation	MC	NO
West Brown Lake Marsh Restoration	MC	YES
West Cameron Restoration Proposal	HR; MC	Subsumed
West Lac Des Allemands Shoreline Protection Project Phase II	SP	YES
West Point a la Hache and Naomi Siphon Enhancement	HR	NO
West St. Tammany Shoreline Protection	SP	YES
Western Sabine Refuge Marsh Restoration	MC	YES
White Lake Marsh Creation	MC; SP	YES
Wild Horse Ridge Protection Project	BS; MC	NO

N/A: Refers to Hydrologic Restoration or Oyster Reef projects that meet Master Plan Goals and Objectives and fall under the new programmatic measure program to be outlined in the 2017 Master Plan, or non-structural projects which are still being discussed.

Partial: Refers to submittals that were partially accepted (i.e. multiple project types were submitted but only one project type was accepted), or projects that were modified to better correspond with Master Plan goals and objectives.

Subsumed: Refers to projects that overlapped another 2017 submittal. Projects (or parts of projects) listed as subsumed were ultimately approved for consideration.

Project Types: BI: Barrier Island Restoration; BS: Bank Stabilization; HR: Hydrologic Restoration; MC: Marsh Creation; OR: Oyster Barrier Reef; OT: Other; RR: Ridge Restoration; SD: Sediment Diversion; SFP: Structural Flood Protection; SP: Shoreline Protection.

2017 New Projects Moving Forward

