

RESTORE ACT Direct Component Multiyear Plan Matrix — Department of the Treasury OMB Approval No. 1505-0250

Applicant Name:		Plaquemines Parish									
1. MULTIYEAR PLAN VERSION (INITIAL OR AMENDMENT NUMBER):		Amendment No. 01		2a. DATE OF INITIAL MULTIYEAR PLAN ACCEPTANCE (mm/dd/yyyy):		4/10/2015		2b. DATE OF LAST MULTIYEAR PLAN ACCEPTANCE:		4/10/2015	
3. CUMULATIVE DIRECT COMPONENT ALLOCATION AVAILABLE FOR DISTRIBUTION TO APPLICANT:				\$3,567,718.56		4. TOTAL ALLOCATIONS PLUS KNOWN FUNDS NOT YET DEPOSITED IN TRUST FUND FOR DIRECT COMPONENT:				\$20,087,714.51	
5. Primary Direct Component Eligible Activity Further Described in Application (Static Field)	6. Activity Title (Static Field)	7. Location (Static Field)	8. Estimated Total Funding Contributions For Proposed Activity(ies)(refer to Instructions)				9. Proposed Start Date mm/dd/yyyy	10. Proposed End Date mm/dd/yyyy	11. Status (refer to Instructions)		
			8a. Direct Component Contribution	8b. Other RESTORE Act Contribution	8c. Other Third Party Contribution	8d. Total Contribution					
Restoration and protection of the natural resources, ecosystems, fisheries, marine and wildlife habitats, beaches, and coastal wetlands of the Gulf Coast Region	Cat Island Restoration	See Attached Map	\$2,057,198	\$0	\$3,010,000	\$5,067,198.00	August-15	August-18	Initial MYP Activity – Deleted in Amendment #1		
Restoration and protection of the natural resources, ecosystems, fisheries, marine and wildlife habitats, beaches, and coastal wetlands of the Gulf Coast Region	Cat Island Restoration	See Attached Map	-\$2,057,198	\$0	-\$3,010,000	-\$5,067,198.00			Amendment #1 – Deleted Activity		
Planning assistance	Spanish Pass Ridge Restoration (CPRA Master Plan Project ID: 002.RC.02)	See Attached Map	\$500,000	\$0	\$2,130,000	\$2,630,000.00	August-17	December-18	Amendment #1 - New Activity		
Planning assistance	Bayou Long Ridge Restoration (CPRA Master Plan Project ID: 002.RC.01)	See Attached Map	\$750,000	\$0	\$1,480,000	\$2,230,000.00	August-17	December-18	Amendment #1 - New Activity		
Planning assistance	Bayou Eau Noire Ridge Restoration and Marsh Creation. (CPRA Master Plan Project ID: 002.RC.102)	See Attached Map	\$750,000	\$0	\$2,054,150	\$2,804,150.13	August-17	December-18	Amendment #1 - New Activity		
Restoration and protection of the natural resources, ecosystems, fisheries, marine and wildlife habitats, beaches, and coastal wetlands of the Gulf Coast Region	Louisiana Coastal Area Beneficial Use of Dredge Material (LCA BUDMAT Water Resources Development Act (WRDA) of 2007	See Attached Map	\$1,500,000	\$0	\$4,500,000	\$6,000,000.00	November-17	December-19	Amendment #1 - New Activity		
						\$0.00					
						\$0.00					
	12. ESTIMATED TOTAL FUNDING CONTRIBUTIONS FOR ACTIVITY(IES) (refer to Instructions)		\$3,500,000.00	\$0.00	\$10,164,150.13	\$13,664,150.13	Please note: Grant awards may reflect non-material changes in proposed dates and estimated funding.				

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control number for this information collection is 1505-0250. Comments concerning the time required to complete this information collection, including the time to review instructions, search existing data resources, gathering and maintaining the data needed, and completing and reviewing the collection of information, should be directed to the Department of the Treasury, Office of Gulf Coast Restoration, 1500 Pennsylvania Ave., NW, Washington, DC 20220.

RESTORE ACT Direct Component Multiyear Plan Narrative

Department of the Treasury

OMB Approval No. 1505-0250

Directions: Use this form for the Initial Multiyear Plan and any subsequent amendments to an accepted Multiyear Plan. For amendments, include only new and/or materially modified activities.

Multiyear Plan Version (Initial or Amendment Number):	Amendment 001
Date of Initial Multiyear Plan Acceptance:	04/10/2015
Date of Last Multiyear Plan Revision Acceptance:	04/10/2015

Eligible Applicant Name:	Plaquemines Parish Government
Name and Contact Information of the Person to be contacted (POC) on matters concerning this Multiyear Implementation Plan:	
POC Name:	Amos Cormier Jr.
POC Title:	Parish President
POC Email:	acormier@ppgov.net
POC Phone:	(504) 274-2462

NARRATIVE DESCRIPTION:
1. A description of each activity, including the need, purpose, objective(s), milestones and location. Include map showing the location of each activity.
<p>1. Spanish Pass Ridge and Marsh Restoration Project:</p> <ul style="list-style-type: none">• Need: The project is contained in the 2012 Coastal Master Plan as 002.RC.02 and is needed to re-establish the historic ridge in an area that is experiencing rapidly degrading and loss of coastal marsh. Historically part of the landscape in coastal Louisiana, ridges help shape the estuary, providing critical habitat, protecting marshes from tidal exchange and saltwater intrusion, and providing an important line of defense for storm surges. Ridges provide important avian habitat to winterers, Neo-tropical migrants, and permanent residents such as the great horned owl. Restoring and maintaining ridges and marshes provides opportunity for development of ecotourism and helps protect the habitat, infrastructure and communities inland by reducing storm surge.• Purpose: The purpose of this proposed project is for the planning, engineering, design, and gathering of Best Available Science information that support the coastal restoration objectives of the State of Louisiana to re-establish vegetative ridges within the vicinity of the historic Spanish Pass of the Mississippi River and re-establishing adjacent marshes in the project area using Mississippi River sediment. Native intertidal marsh and ridge vegetation would be planted after construction to help stabilize the rebuilt ridge and marsh habitat.• Objective: To develop a plan to create and nourish intermediate and saline marsh and associated edge habitat for aquatic species by restoring approximately 53,000 linear feet of Spanish Pass vegetative ridges and 300 acres of wetlands to reduce surge effects and wave setup and restore forested ridge habitat.• Funds Requested: The funds that are being requested for this project from the Direct Component are \$500,000 to initiate the planning phase of engineering and design. The total estimated engineering and design, as well as construction costs are based on the 2012 CPRA Master Plan. It is estimated that engineering and design will cost \$2,630,000 while construction costs are estimated to be \$32,892,000.

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- High Level Milestones: Preliminary field investigation (bathymetric and magnetometer surveys), Engineering and Design, and gathering of Best Available Science information.

- Measures of Success: Completion of engineering and design, and gathering of Best Available Science information milestones.

2. Bayou Long Ridge and Marsh Restoration Project:

- Need: The project is contained in the 2012 Coastal Master Plan as 002.RC.01 and is needed to re-establish the historic ridge in an area that is experiencing rapidly degrading and loss of coastal marsh. Historically part of the landscape in coastal Louisiana, ridges help shape the estuary, providing critical habitat, protecting marshes from tidal exchange and saltwater intrusion, and providing an important line of defense for storm surges. Ridges provide important avian habitat to winterers, Neo-tropical migrants, and permanent residents such as the great horned owl. Restoring and maintaining ridges and marshes provides opportunity for development of ecotourism and helps protect the habitat, infrastructure and communities inland by reducing storm surge.

- Purpose: The purpose of this proposed project is for the planning, engineering, design, and gathering of Best Available Science information that support the coastal restoration objectives of the State of Louisiana to re-establish vegetative ridges within the vicinity of the historic Bayou Long ridge adjacent to the Empire Waterway and to re-establish adjacent marshes in the project area using Mississippi River sediment. Native intertidal marsh and ridge vegetation would be planted after construction to help stabilize the rebuilt ridge and marsh habitat.

- Objective: To develop a plan to create and nourish saline marsh and associated edge habitat for aquatic species and to establish Bayou Long vegetative ridges to reduce surge effects and wave setup and restore forested ridge habitat. This includes restoring approximately 49,000 linear feet of vegetative ridges and 360 acres of wetlands to reduce surge effects and wave setup and restore forested ridge habitat.

- Funds Requested: The funds that are being requested for this project from the Direct Component are \$750,000 to initiate the planning phase of engineering and design. The total estimated engineering and design, as well as construction costs are based on the 2012 CPRA Master Plan. It is estimated that engineering and design will cost \$2,230,000 while construction costs are estimated to be \$27,919,000.

- High Level Milestones: Preliminary field investigation (bathymetric and magnetometer surveys), Engineering and Design, and gathering of Best Available Science information.

- Measures of Success: Completion of engineering and design, and gathering of Best Available Science information milestones.

3. Bayou Eau Noire Ridge Restoration and Marsh Creation:

- Need: Lower Plaquemines Parish is the area of highest frequency of exposure to tropical storms in the Northern Gulf of Mexico. The project is needed to re-establish the historic ridge in an area that is experiencing rapidly degrading and loss of coastal marsh. Historically part of the landscape in coastal Louisiana, ridges help shape the estuary, providing critical habitat, protecting marshes from tidal exchange and saltwater intrusion, and providing an important line of defense for storm surges. Ridges provide important avian habitat to winterers, Neo-tropical migrants, and permanent residents such as the great horned owl. Restoring and maintaining ridges and marshes provides opportunity for development of ecotourism and helps protect the habitat, infrastructure and communities inland by reducing storm surge.

- Purpose: The purpose of this proposed project is for the planning, engineering, design, and gathering of Best Available Science information to implement the "multiple lines of defense" strategy of hurricane protection by creating an elevated vegetative ridge that complements the current levee system. The vegetated ridge will offer enhanced flood protection benefits via wave attenuation, while creating a sustainable habitat for wildlife. Marsh habitat will be restored in open water areas where it has been lost due to subsidence, canal construction, and the impacts of tropical storms.

- Objective: To develop a plan to create 400 acres of marsh and nourish 100 acres of marsh to create new wetland habitat, restore degraded marsh, and reduce wave erosion and restore 28,050 linear feet (136 acres) of historic maritime ridge, to restore natural hydrology, restore wetland and upland habitat, and provide wave and storm surge attenuation.
 - Funds Requested: The funds that are being requested for this project from the Direct Component are \$750,000 to initiate the planning phase of engineering and design. The estimated engineering and design, as well as construction costs are based on a preliminary estimate of cost. It is estimated that the total engineering and design will cost \$2,804,150.13, while construction costs are estimated to be \$48,347,000.
 - High Level Milestones: Preliminary field investigation (bathymetric and magnetometer surveys), Engineering and Design, permitting and gathering of Best Available Science information.
 - Measures of Success: Completion of engineering, design, permitting and gathering of Best Available Science information milestones.
4. Louisiana Coastal Area Beneficial Use of Dredged Material:
- Need: The project is contained in the 2007 Water Resources Development Act and would be used for future cost share agreements with the US Army Corps of Engineers (USACE) to beneficially use maintenance dredge material for restoration projects, specifically the Spanish Pass Ridge Restoration Project. This project is needed to re-establish the historic ridge in an area that is experiencing rapidly degrading and loss of coastal marsh. Historically part of the landscape in coastal Louisiana, ridges help shape the estuary, providing critical habitat, protecting marshes from tidal exchange and saltwater intrusion, and providing an important line of defense for storm surges. Ridges provide important avian habitat to winterers, Neo-tropical migrants, and permanent residents such as the great horned owl. Restoring and maintaining ridges and marshes provides opportunity for development of ecotourism and helps protect the habitat, infrastructure and communities inland by reducing storm surge.
 - Purpose: The purpose of this proposed project is to cost share with USACE to utilize maintenance dredge material to re-establishing vegetative ridges within the vicinity of the historic Spanish Pass of the Mississippi River and re-establishing adjacent marshes in the project area using material from a maintenance dredging activity.
 - Objective: To cost share with the USACE to utilize maintenance dredge material to create and nourish intermediate and saline marsh and associated edge habitat for aquatic species by restoring approximately 53,000 linear feet of Spanish Pass vegetative ridges and 300 acres of wetlands to reduce surge effects and wave setup and restore forested ridge habitat.
 - Funds Requested: The funds that are being requested for this project from the Direct Component are \$1,500,000. This would be used as the cost share match for 2 years of the BUDMAT Program for the Planning, Engineering and Design Phase, and potential cost share match for the construction phase. The total cost for each phase of LCA BUDMAT is up to \$2M for Planning, Engineering and Design (with a 75% to 25% work share split between the Corps and the local sponsor) and up to \$20M for construction with the same cost share split. RESTORE funds will provide the cost share for up to \$6M of the project.
 - High Level Milestones: Planning, engineering and design, gathering of Best Available Science information and construction of 2 years of BUDMAT.
 - Measures of Success: Completion of planning, engineering design, BAS information, and construction milestones.

2. How the applicant made the multiyear plan available for 45 days for public review and comment, in a manner calculated to obtain broad-based participation from individuals, businesses, Indian tribes, and non-profit organizations, such as through public meetings, presentations in languages other than English, and postings on the Internet. The applicant will need to submit documentation (e.g., a copy of public notices) to demonstrate that it made its multiyear plan available to the public for at least 45 days. In addition, describe how each activity in the multiyear plan was approved after consideration of all meaningful input from the public and submit documentation (e.g., a letter from the applicant's leadership approving submission of the multiyear plan to Treasury or a resolution approving the applicant's multiyear plan).

Plaquemines parish completed its draft Multiyear Implementation Plan (MYIP) on December 4th of 2014, and posted it online December 9th, 2014 for the mandatory 45 day public comment / review period. The plan was subsequently revised in May of 2016. The following were steps the Parish took to obtain broad based participation in reviewing and commenting on the MYIP:

Public Comment period was originally from December 8th, 2014, to January 25th, 2015. Revised public comment period for Amendment 001 was from December 6, 2016 to January 20, 2017.

Several public engagement forums were utilized to engage public comment and review:

1. Initial Press Release Article.
2. Public Notice in the Plaquemines Gazette from December 6, 2016 to January 20, 2017.
3. Social Media campaign: the MYIP was posted on the Plaquemines Parish Website and Twitter.
4. MIP was placed in hardcopy form in both in the Belle Chasse and Port Sulphur Libraries from December 6, 2016 till the present time.

No public comments were received on Amendment 001 to the MYIP during the public comment review period from December 6, 2016 to January 20, 2017.

The parish re-advertising Amendment 001 to the MYIP for an additional 45-day period from February 14, 2017 to March 30, 2017, to allow public review/comment on the multiyear plan, including the Treasury Multiyear Plan Matrix and Narrative fillable forms.

No public comments were received on the re-advertised Amendment 001 to the MYIP during the public comment review period from February 14, 2017 to March 30, 2017.

3. How each activity included in the applicant's multiyear plan matrix meets all the requirements under the RESTORE Act, including a description of how each activity is eligible for funding based on the geographic location of each activity and how each activity qualifies for at least one of the eligible activities under the RESTORE Act.

Planning Assistance Activities (3) - Amendment 001 to the MYIP:

All planning activities identified in this MYIP and proposed to be funded under the Direct Component can be reasonably identified with the following eligible activities under 31 CFR § 34.201: Planning assistance [31 CFR § 34.201(j)] for a restoration project [31 CFR § 34.201(a)].

1. Spanish Pass Ridge and Marsh Restoration Project: the planning activities include preliminary field investigation (bathymetric and magnetometer surveys), Engineering and Design, and gathering of Best Available Science information. The underlying restoration project includes the following activities: create and nourish intermediate and saline marsh and associated edge habitat for aquatic species by restoring approximately 53,000 linear feet of Spanish Pass vegetative ridges

and 300 acres of wetlands to reduce surge effects and wave setup and restore forested ridge habitat, in the project area.

2. Bayou Long Ridge and Marsh Restoration Project: the planning activities include preliminary field investigation (bathymetric and magnetometer surveys), Engineering and Design, and gathering of Best Available Science information. The underlying restoration project includes the following activities: create and nourish saline marsh and associated edge habitat for aquatic species; establish Bayou Long vegetative ridges to reduce surge effects and wave setup and restore forested ridge habitat. This includes restoring approximately 49,000 linear feet of vegetative ridges and 360 acres of wetlands to reduce surge effects and wave setup and restore forested ridge habitat, in the project area.

3. Bayou Eau Noire Ridge Restoration and Marsh Creation: the planning activities include preliminary field investigation (bathymetric and magnetometer surveys), Engineering and Design, permitting and gathering of Best Available Science information. The underlying restoration project includes the following activities: create 400 acres of marsh and nourish 100 acres of marsh to create new wetland habitat, restore degraded marsh, and reduce wave erosion and restore 28,050 linear feet (136 acres) of historic maritime ridge, to restore natural hydrology, restore wetland and upland habitat, and provide wave and storm surge attenuation, in the project area.

Restoration Activity (1) - Amendment 001 to the MYIP:

Louisiana Coastal Area Beneficial Use of Dredged Material: The project can be reasonably identified with the following eligible activity under 31 CFR § 34.201: Restoration and protection of the natural resources, ecosystems, fisheries, marine and wildlife habitats, beaches, and coastal wetlands of the Gulf Coast Region [31 CFR § 34.201(a)]. The restoration activities include cost sharing with the USACE to utilize maintenance dredge material to create and nourish intermediate and saline marsh and associated edge habitat for aquatic species by restoring approximately 53,000 linear feet of Spanish Pass vegetative ridges and 300 acres of wetlands to reduce surge effects and wave setup and restore forested ridge habitat, in the project area.

All projects will be carried out within the Louisiana Coastal Zone Boundary and therefore within the Gulf Coast Region.

4. Criteria the applicant will use to evaluate the success of the activities included in the multiyear plan matrix in helping to restore and protect the Gulf Coast Region impacted by the Deepwater Horizon oil spill.

The success of the planning assistance activities included in Amendment 001 to the MYIP will be evaluated by the completion of the planning, engineering and design, permitting and gathering of BAS information; leveraging available funding with cost share partners (i.e., Louisiana CPRA and the Corps of Engineers); and ultimately developing a plan for the implementation of each underlying restoration projects.

The success of the restoration activity included in Amendment 001 to the MYIP will be evaluated by the completion of the planning, engineering and design, BAS information and construction milestones (i.e., 2 years of BUDMAT); by leveraging available cost share funding with the Corps of Engineers to utilize maintenance dredge material to create and nourish intermediate and saline marsh and associated edge habitat for aquatic species to restore approximately 53,000 linear feet of Spanish Pass vegetative ridges and 300 acres of wetlands to reduce surge effects and wave setup and restore forested ridge habitat, in the project area.

5. How the activities included in the multiyear plan matrix were prioritized and list the criteria used to establish the priorities.

Plaquemines Parish Government has expended significant resources to identify the best projects to restore critical wetland habitat, while reducing storm related flood risk. All of the projects included in Parish's MYIP are in the Louisiana Coastal Protection and Restoration Authority (CPRA) Master Plan 2012 or 2017 updates, or in the Louisiana Coastal Area Program.

The activities Amendment 001 to the MYIP were prioritized based on the availability of funding through RESTORE Direct Component, the ability to leverage funding from other sources to enhance the magnitude of coastal restoration in coastal Louisiana; and the consistency of these activities with the Louisiana CPRA Master Plan or the Louisiana Coastal Area Program.

The Parish will work closely with the State of Louisiana to ensure that the goals of restoration are consistent with, or complementary to the most recent version of the State's Coastal Master Plan. The Parish has a long-standing history in understanding the intimate connection of a thriving Louisiana economy and sustainable environment. The Parish recognizes that there has to be a tangible connection between projects that sustain our coast, projects that protect our residents, and projects that enhance the economy of Plaquemines Parish and thus Louisiana. Though this initial allotment will not be enough to rebuild the wants and needs in our Parish, by partnering, shoulder with the Coastal Protection and Restoration Authority and building projects that are in, or consistent with, the CPRA Master Plan, we hope to leverage state and federal dollars to stretch our conservation dollars for the betterment of the Parish and the State.

6. If applicable, describe the amount and current status of funding from other sources (e.g., other RESTORE Act contribution, other third party contribution) and provide a description of the specific portion of the project to be funded by the RESTORE Act Direct Component.

Plaquemines Parish intends to use this Restore Act Direct Component funding as cost share match to available funding from Louisiana Coastal Protection and Restoration Authority for projects that are in or are consistent with the CPRA Master Plan, and the Louisiana Coastal Area Beneficial Use of Dredge Material Program (LCA BUDMAT), where Plaquemines parish would only be required to pay for 25% of the project costs. All projects identified are consistent with the Draft 2017 CPRA Master Plan

Below are the current status of funding from other sources for each project:

Spanish Pass Ridge and Marsh Restoration Project: RESTORE Act funds of \$500,000 will be used to initiate the design and engineering portion of the project as phase 1. Subsequent planning phase will cost an additional \$2,130,000 which will be funded from other sources. The parish plans to apply for funding from the CPRA Cost Share Matching Program for projects in or consistent with the CPRA Master Plan on June 1, 2017. Future phases (i.e., construction) will be funded from the Natural Resources Damage Assessment (NRDA) and LCA BUDMAT. CPRA has already applied for NRDA funding for the planning, engineering, design, and construction of this project.

Bayou Long Ridge and Marsh Restoration Project: RESTORE Act funds of \$750,000 will be used to initiate the design and engineering portion of the project as phase 1. Subsequent planning phase will cost an additional \$1,480,000 which will be funded from other sources. The parish plans to apply for funding from the CPRA Cost Share Matching Program for projects that are in or are consistent with the CPRA Master Plan on June 1, 2017. Future phases (i.e., construction) will be funded from future increments of RESTORE Act funding allocations and LCA BUDMAT.

Bayou Eau Noire Ridge Restoration and Marsh Creation: RESTORE Act funds of \$750,000 will be used to initiate the design and engineering portion of the project as phase 1. Subsequent planning phase will cost an additional \$2,054,150.13 which will be funded from other sources. The parish plans to apply for funding from the CPRA Cost Share Matching Program for projects in or consistent with the CPRA Master Plan on June 1, 2017. Future phases (i.e., construction) will be funded from future increments of RESTORE Act funding allocations and LCA BUDMAT.

Louisiana Coastal Area Beneficial Use of Dredged Material: The total estimated funds from other sources are (\$4,500,000). The parish plans to apply for funding from the CPRA Cost Share Matching Program for projects in or consistent with the CPRA Master Plan on June 1, 2017. Future phases (i.e., construction) will be funded from future increments of RESTORE Act funding allocations and LCA BUDMAT.



BAYOU EAU NOIR RIDGE PROJECT

BAYOU LONG RIDGE PROJECT

SPANISH PASS RIDGE PROJECT

LCA BUDMAT PROJECT

EMPIRE

BURAS

BOOTHVILLE

VENICE

23