

Section 3

FY 2016 Implementation Plan: More Projects, More Action, More Results

Project Status Summaries

This section presents an implementation plan that describes the state's proposed investment in coastal restoration and protection during FY 2016 (July 1, 2015, through June 30, 2016). Included are all of the coastal protection and restoration projects in which the state will participate. Projected schedules and budgets are estimates based on the most recent available information.

This implementation plan presents the status of state coastal projects according to the four phases traditionally used to track projects: 1) planning; 2) design; 3) construction; and 4) operation, maintenance, and monitoring (OM&M). Below are summaries of project status by phase; Appendices A and B provide additional details about the projects. The current status of individual projects is presented by authorizing program in the project schedules in the Coastal Program Details section. Readers are referred to the state's coastal website (<http://coastal.la.gov/>) for additional details about specific projects. Regional maps of projects in planning, design, and/or construction in FY 2016 are presented in Figures 3-1 through 3-3.

Projects in Planning

The planning team identified five projects in the planning phase in FY 2016, including two restoration projects, one navigation project, and two integrated protection and restoration projects. These projects, together with other non-project planning initiatives, represent a total state investment of \$25 million in FY 2016, and will proceed to design and construction according to their authorizing program as discussed in the Coastal Program Details section.

Projects in Design

The planning team identified 29 projects in design for FY 2016, including four protection projects and 25 restoration projects. These projects represent a total state investment of \$74 million in FY 2016. The path these projects will take to construction varies according to the authorizing program as described in the Coastal Program Details section.

Projects Under Construction

The planning team identified 43 projects that will begin or continue construction in FY 2016, including 18 protection projects, 24 restoration projects, and one infrastructure project. These projects represent a total state investment of \$503 million in FY 2016, and 20 of these projects are projected to complete construction in FY 2016. Table 3-1 presents additional information about projects set for construction in FY 2016, and Figure 3-4 provides a map with the locations of these projects.

Constructed Projects in Operation, Maintenance, and Monitoring

The CPRA will expend approximately \$99 million (including federal match dollars) in FY 2016 on operation, maintenance, and monitoring (OM&M). OM&M expenditures in FY 2016 will cover the operation and maintenance of 130 projects and monitoring of 100 projects. OM&M expenditures also include approximately \$10 million (in state and federal funds) for monitoring coast-wide conditions using CRMS-Wetlands (<http://www.lacoast.gov/crms2/Home.aspx>). Finally, the state will expend approximately \$1.6 million in FY 2016 to engage in marine debris removal in offshore areas and will pursue \$45.8 million in the repair of beach and dune projects that were damaged by Hurricane Isaac. These expenditures are reimbursable by the Federal Emergency Management Agency (FEMA). Figure 3-5 provides a map with locations of all projects with OM&M expenditures in FY 2016. Project-specific OM&M expenditures are presented in Appendix B. The Barrier Island Status Report (Appendix C) is available online for review (www.coastal.la.gov). The Operating Plans for the Caernarvon and Davis Pond diversions during calendar year 2015 (Caernarvon Operational Plan for 2015 and Davis Pond Operational Plan for 2015) are contained in Appendix D.

Ongoing Programs

The state operates six ongoing programs. These efforts provide supporting research, financial assistance, additional project benefits or educational support for our protection and restoration program.

Adaptive Management

The Coastal Master Plan process recognizes that we need to quickly implement large scale projects within an extremely dynamic environment. We will continue to build on the decades of research and analysis performed to date, but we must move forward to maximize riverine resources even though our science may be imperfect. In so doing we must establish and maintain a robust adaptive management program that will allow us to modify constructed projects and inform the development of future projects.

Coastal Program
Details



The projects discussed above are authorized through multiple programs, each of which entails different processes to proceed through implementation. Summaries of coastal programs with active projects are presented below. Detailed projected expenditures are presented in Appendix B by program.

Coastal Wetlands Planning, Protection and Restoration Act (CWPPRA)

CWPPRA was authorized by Congress in 1990 to identify, prepare, and fund construction of coastal wetlands restoration projects. CWPPRA is managed by a Task Force comprised of the state and five federal agencies, including the Environmental Protection Agency (EPA), the U.S. Fish and Wildlife Service (USFWS), the Natural Resources Conservation Service (NRCS), the National Marine Fisheries Service (NMFS), and the USACE. The CWPPRA Task Force evaluates

projects proposed for inclusion in the CWPPRA program and prepares a ranked list of candidate projects annually based on cost-effectiveness, longevity, risk, supporting partnerships, public support, and support of CWPPRA goals. From this ranked list, the Task Force selects a final list of projects, the Priority Project List (PPL), for implementation.

Following project selection, CWPPRA projects proceed through a two-phased implementation process. Phase 1 consists of Engineering and Design, an in-depth process by which engineers and biologists further develop and assess project features and effects. After design, these projects will be considered for construction, which begins upon Phase 2 approval by the Task Force. Phase 2, referred to as Construction and Monitoring, involves the actual building and subsequent OM&M of the project. The state will expend funds in FY 2016 on the implementation of 17 CWPPRA Phase 1 projects (design) and eight CWPPRA Phase 2 projects (design and construction).

Examples of active CWPPRA projects include the following:

- Northwest Turtle Bay Marsh Creation (BA-125) (Phase 1)
- Cole's Bayou Marsh Creation (TV-63) (Phase 1)
- South Lake Lery Marsh Creation (BS-16) (Phase 2)
- Bayou Dupont Marsh and Ridge Restoration (BA-48) (Phase 2)

Project schedules for CWPPRA projects are included in Table 3-2. Additional information about CWPPRA projects is available on the CWPPRA website (www.lacoast.gov). Project-specific CWPPRA expenditures are presented in Appendix B. The federal cost-share for CWPPRA projects is 85 percent of the total project cost, with the state assuming responsibility for the remaining 15 percent of the cost. The state's contribution must include a cash payment of not less than five percent of the total project cost. The remainder of the state's contribution may take the form of lands, easements, or rights-of-way, or any other form of in-kind contribution determined to be appropriate by the lead Task Force member. Cost-share agreement conditions for CWPPRA projects vary according to the Federal partner.

Water Resources Development Act (WRDA)

The state is partnered with the USACE on multiple large-scale protection and restoration projects and studies that have been authorized through past WRDA bills. WRDA refers to any of a set of public laws enacted by Congress to address various aspects of water resources including environmental, structural, navigational, flood protection, and hydrologic issues.

The state currently intends to expend funds in FY 2016 on several WRDA authorizations, including:

- Mississippi River Hydrodynamic and Delta Management Study (MR-16)
- Southwest Coastal Louisiana Feasibility Study (LA-20)

Schedules for these projects are presented in Table 3-3. Additional information about these projects is available at www.lca.gov.

Coastal Impact Assistance Program (CIAP)

CIAP was authorized in 2005 as part of the Federal Energy Policy Act to help six coastal states mitigate the onshore effects of Outer Continental Shelf (OCS) oil and gas development. CIAP will provide approximately \$495.6 million to Louisiana from the federal administrator, the USFWS. The state will receive 65 percent of these funds with the remaining 35 percent being distributed to the 19 coastal parishes. To date, all \$495.6 million of Louisiana's CIAP funds have been awarded for the implementation of 99 projects.

Authorized uses of CIAP funds include projects and activities to conserve, protect or restore coastal areas, including wetlands; mitigation of damage to fish, wildlife or natural resources; planning assistance and the administrative costs of CIAP compliance; implementation of a federally approved marine, coastal or comprehensive conservation management plan; and onshore infrastructure projects and public service needs. Up to 23 percent of those funds can be spent on CIAP planning assistance and compliance and for onshore infrastructure projects and public service needs to mitigate OCS impacts.

The current approved Louisiana CIAP Plan identifies a total of 99 State-only, State/Parish-shared, and Parish-only funded projects for which these funds were allocated.

The state will expend funds on the design and/or construction of 10 CIAP projects in FY 2016, including nine restoration projects and one infrastructure project. CIAP funds will also continue to be used to fund the CFCI program and two Performance Evaluation studies of constructed CIAP projects.

Active CIAP projects include:

- Mississippi River Long Distance Sediment Pipeline (BA-43 [EB])
- Mississippi River Water Introduction into Bayou Lafourche (BA-161)
- Living Shoreline Protection Demonstration Project (PO-148)
- Falgout Canal Freshwater Enhancement (TE-63)

Project schedules for CIAP projects are included in Table 3-4. Additional information about these projects is available on the state's coastal website. Project specific expenditures for CIAP projects are presented in Appendix B.

Projects within the approved CIAP plan are funded for implementation by approval of CIAP grant applications which were submitted to USFWS for approval and were required to be submitted separately for the design and construction phases of a project. Once the grant application is approved, the CIAP projects are authorized and the phase of the project is funded. Once the design of the project is completed, applications for the construction phase can be submitted. Once the construction grant application is approved, the project is fully funded and will proceed to construction according to its schedule. Principal causes for the delay of CIAP projects include grant delays, land rights issues, permitting issues, and most recently the transfer of the federal administration of CIAP.

State-Only Projects

The Louisiana Legislature allocated \$790 million in state budget surpluses for the years 2007, 2008, and 2009 for coastal protection and restoration activities. The state is utilizing these funds to expedite its coastal program by funding ongoing programs, developing initiatives, and implementing protection and restoration projects. The overwhelming majority of these funds have been allocated to project implementation. Surplus funds have been used to supplement projects that are authorized through one of the other programs described in this section (e.g., Mississippi River Long Distance Sediment Pipeline [BA-43 (EB)], Southwest Coastal Louisiana Feasibility Study [LA-20]) and implement other State-only projects. The state has also begun implementation of other projects without a federal partner using Trust Fund revenues. The state will expend funds in FY 2016 on 15 State-only projects, including 12 protection projects, one restoration project, one navigation project, and one integrated protection and restoration project.

Broadly speaking, State-only projects generally involve one of the following categories:

- Expedited construction of components of federal protection projects (e.g., Larose to Golden Meadow [TE-65], Morganza to the Gulf [TE-64]);
- Coordination on federal protection projects;
- Feasibility studies for flood protection in areas not currently covered by the existing federal protection network (e.g., South Central Coastal Plan [TV-54]);
- Protection and restoration projects not included in one of the other coastal programs that are to be implemented in conjunction with local parishes (e.g., Jean Lafitte Tidal Protection [BA-75-1], Morgan City/St. Mary Flood Protection [TV-55]).

A total of \$293.3 million in 2008 and 2009 was allocated to cover LERRDS cost for the Greater New Orleans Hurricane Protection System. Included within this total is \$193.3 million from Act 20 of the 2009 Regular Legislative Session that was approved for Southeast Louisiana Hurricane Protection projects. This includes credits and payments toward the state and levee district match requirements for the estimated \$15 billion Hurricane and Storm Damage Risk Reduction System (HSDRRS) work underway. The non-federal cost share of such work is estimated to be \$1.8 billion plus applicable interest. Under the plan, an additional \$40 million of these funds may be utilized to advance planning, design, and construction of hurricane protection and flood control projects in southeast Louisiana. These investments will match local and federal funds while improving the protection of our most vulnerable communities consistent with the Master Plan. These funds are projected to be expended in their entirety by the end of FY 2017.

Project schedules for State-only projects are included in Table 3-5. Project-specific expenditures for State-only projects are presented in Appendix B.

Of the 15 active State-only projects, 11 are funded for construction and will proceed to construction in accordance with their schedules as presented in Table 3-5. Two projects are funded for design and following completion of design will

proceed to construction upon procurement of construction funds. The remaining projects are funded for feasibility only and would proceed to design upon receipt of further authorization through another coastal program.

Community Development Block Grants (CDBG)

Louisiana received \$1.06 billion from HUD's CDBG program to assist in the recovery from Hurricanes Gustav and Ike. The vast majority of CDBG funds were allocated to the 19 coastal parishes for use in protecting their communities and infrastructure. However, included within the \$1.06 billion was an allocation of \$27.4 million to the Louisiana Office of Community Development-Disaster Recovery Unit (OCD-DRU) for state coastal protection and restoration projects that will help communities recover from the 2008 hurricanes and prepare to withstand future hurricanes with greater resilience. The state, in partnership with local interests, identified potential flood protection and restoration projects that could be implemented with these CDBG funds in all major regions of coastal Louisiana, including floodgate installation; levee construction or improvement to reduce storm surge impacts to coastal communities and critical infrastructure; and shoreline protection to benefit communities and related infrastructure and recreational facilities. HUD subsequently approved nine projects for CDBG funding.

Project schedules for CDBG projects are included in Table 3-6. Project-specific expenditures for CDBG projects are presented in Appendix B.

All active state CDBG projects are funded for construction and will proceed to construction in accordance with their schedules as presented in Table 3-6. State CDBG projects require an agreement with the local sponsor, where the local sponsor is responsible for ownership and OM&M costs after project completion. Project implementation requires submittal of an application to OCD-DRU for final approval and funding. Applicant projects are reviewed by OCD-DRU for consistency with program objectives and criteria. Potential issues that could affect CDBG project implementation include design issues, land rights issues, environmental compliance issues, and permitting issues.

Hurricane and Storm Damage Risk Reduction System

HSDRRS was authorized by PL 109-234, Emergency Supplemental Appropriations Act for Defense, the Global War on Terror, and Hurricane Recovery, 2006, and includes the West Bank and Vicinity project, the Lake Pontchartrain and Vicinity project, the IHNC Lake Borgne Surge Barrier and IHNC Seabrook Complex (each of which is managed separately). Each of these projects is in turn comprised of multiple segments, which have separate design and construction schedules. HSDRRS also covers multiple restoration projects that are currently under development as mitigation for wetland impacts associated with construction of hurricane protection projects. As the non-federal sponsor along with the local levee authorities and levee districts, the state has contributed to the West Bank and Vicinity and Lake Pontchartrain and Vicinity projects through plans and specifications review, construction inspection assistance, project and program management, and payment of LERRDS costs. Beginning in FY 2017 the non-federal sponsor is anticipated to begin its 30 year payback to the federal government for the non-federal sponsor's cost-share portion of construction

costs (approximately 35 percent). Schedules for HSDRRS projects are included in Table 3-7. All but one of these projects are fully funded for construction and will proceed with construction according to the schedules provided in Table 3-7. The principal issues that affect HSDRRS projects include engineering, constructability, budget and time issues.

Non-State Projects

Act 545 of the 2008 Legislature mandates that State Annual Plans include descriptions of all projects and programs relating to hurricane protection, restoration, and infrastructure in coastal Louisiana, including federal-only projects, local parish and levee district projects, and those privately funded wetland enhancements and activities that require a Coastal Use Permit. Appendix E contains an inventory of non-state projects identified through outreach to coastal parishes and levee districts to obtain information on local, non-state coastal projects. Appendix E also includes an inventory of proposed local projects as presented in coastal parish Master Plans. These proposed projects represent desired local investment in protection and restoration activities. Appendix E also presents information on federal coastal protection projects for which local parishes or levee districts serve as the local sponsor. Finally, Appendix E presents information on non-state projects that have received State Restoration Partnership grants to support implementation. Adding non-state projects to this inventory will be a priority in future years as the state continues to gather information about non-state coastal protection and restoration efforts.

Deepwater Horizon Oil Spill Restoration Planning

Although the timing and amount of funds related to the *Deepwater Horizon* (DWH) oil spill have not been fully determined, a number of projects have been identified to receive spill-related funding as the oil spill damage assessment and restoration planning continues. With an understanding that the use of restoration funds will be guided by specific criteria, Louisiana is committed to maximizing its investment in oil spill recovery activities by implementing restoration projects that are consistent with the Coastal Master Plan to the extent possible. Schedules for projects that may be implemented for DWH oil spill restoration planning are presented in Table 3-8. Project specific expenditures are presented in Appendix B.

Natural Resource Damage Assessment (NRDA) Restoration

The Natural Resources Damage Assessment (NRDA) is the process used by natural resource trustees to develop, on behalf of the public, their claim for natural resource damages against the responsible party or responsible parties for the spill. Through that claim, the trustees will seek compensation in the form of restoration for the harm done to natural resources and services. The overall goal of NRDA is to make the environment and public whole by restoring natural resources to their pre-spill conditions, and providing compensation for the loss of those resources from the dates of injury through full restoration. The assessment process is lengthy and complex. The NRDA will continue until the natural resource trustees have determined the full extent of damages, restoration plans are designed and implemented, and the environment and public are made whole for injuries to natural resources and services resulting from the *Deepwater Horizon* oil spill.

NRDA Early Restoration

In April 2011, the Trustees and BP announced an agreement under which BP committed to provide \$1 billion toward the implementation of early restoration projects. The agreement represents an initial step toward fulfilling the BP's obligation as a responsible party to fund the complete restoration of natural resources. Early restoration provides an opportunity to implement restoration projects prior to the completion of the natural resource damage assessment process.

The Trustees finalized Phase III of early restoration in October 2014, approving 44 projects gulf wide totaling \$627 million. With the finalization of Phase III, approximately \$698 million in early restoration funds have been allocated for projects across the Gulf, including \$370 million for projects in Louisiana. The Louisiana projects include:

- Lake Hermitage Marsh Creation – NRDA Early Restoration Project (\$14.4 M)
- Louisiana Oyster Cultch Project (\$15.6 M)
- Louisiana Outer Coast Restoration (\$318 M)
 - Caillou Lake Headlands (Whiskey Island) (\$110 M)
 - Shell Island West (\$101 M)
 - Chenier Ronquille (\$35 M)
 - North Breton Island (\$72 M)
- Louisiana Marine Fisheries Enhancement, Research, and Science Center (\$22 M)

BP and Transocean Criminal Settlements

In early 2013, a U.S. District Court approved two plea agreements resolving the criminal charges against BP and Transocean related to the *Deepwater Horizon* disaster. The agreements directed a total of \$2.54 billion to the National Fish and Wildlife Foundation (NFWF) for natural resources restoration in the Gulf of Mexico. Over the next five years, NFWF's newly established Gulf Environmental Benefit Fund will receive approximately \$1.27 billion to "create or restore barrier islands off the coast of Louisiana and/or to implement river diversion projects on the Mississippi and/or Atchafalaya Rivers for the purpose of creating, preserving and restoring coastal habitat."

NFWF

To date, NFWF has awarded over \$221 million from the Gulf Environmental Benefit Fund for projects in Louisiana. This includes funds awarded in April 2014 for the construction of the second increment of the Caminada Beach and Dune Restoration project and funds for adaptive management awarded in November 2014. The Louisiana Projects include:

- Adaptive Management: Louisiana River Diversions and Barrier Islands (\$13.2 M)

- Caminada Beach and Dune Increment II
 - Engineering and Design (\$2.7 M)
 - Construction (\$144.5 M)
- East Timbalier Island: Engineering and Design (\$5.6 M)
- Mid-Barataria Sediment Diversion: Engineering and Design (\$37.7 M)
- Lower Mississippi River Sediment Diversions: Planning (\$12.8 M)
- Increase Atchafalaya Flow to Terrebonne: Planning (\$4.6 M)

Clean Water Act Penalties

The Clean Water Act (CWA) establishes the basic structure for regulating discharges of pollutants into the waters of the United States and regulating water quality standards for surface waters. The CWA makes it unlawful to discharge any pollutant from a point source into navigable waters, unless a permit is obtained. Violations of the CWA can result in both civil and criminal prosecutions by the federal government. The U.S. Department of Justice (DOJ), on behalf of the Environmental Protection Agency (EPA), the United States Coast Guard (USCG), or another federal agency, may bring enforcement actions for civil or criminal penalties under the CWA.

RESTORE Act

In June 2012, Congress proactively passed the RESTORE Act, which dedicates 80 percent of all prospective CWA administrative and civil penalties related to the *Deepwater Horizon* spill to a Gulf Coast Restoration Trust Fund. The RESTORE Act also outlines a structure by which the funds can be utilized to restore and protect the natural resources, ecosystems, fisheries, marine and wildlife habitats, beaches, coastal wetlands, and economy of the Gulf Coast region.

The RESTORE Act outlines the following framework for allocation of the Trust Fund:

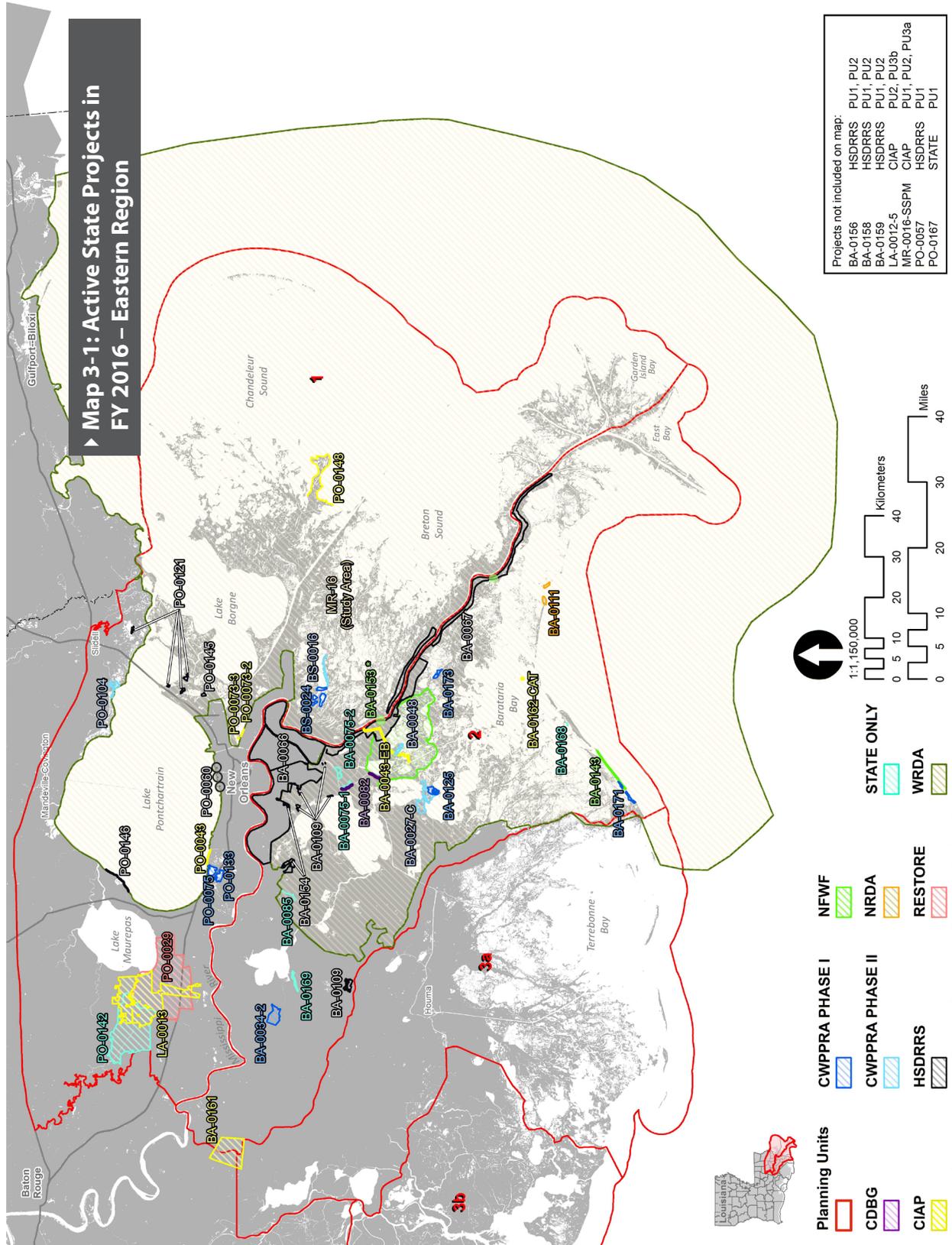
- 35 percent equally divided among the five States for ecological restoration, economic development, and tourism promotion (Direct Component);
- 30 percent plus interest managed by the Council for ecosystem restoration under the Comprehensive Plan (Council-Selected Component);
- 30 percent divided among the States according to a formula to implement state expenditure plans, which require approval of the Council (Spill Impact Component);
- 2.5 percent plus interest for the Gulf Coast Ecosystem Restoration Science, Observation, Monitoring and Technology Program within the Department of Commerce's National Oceanic and Atmospheric Administration (NOAA); and
- 2.5 percent plus interest allocated to the States for Centers of Excellence Research grants, which will each focus on science, technology, and monitoring related to Gulf restoration.

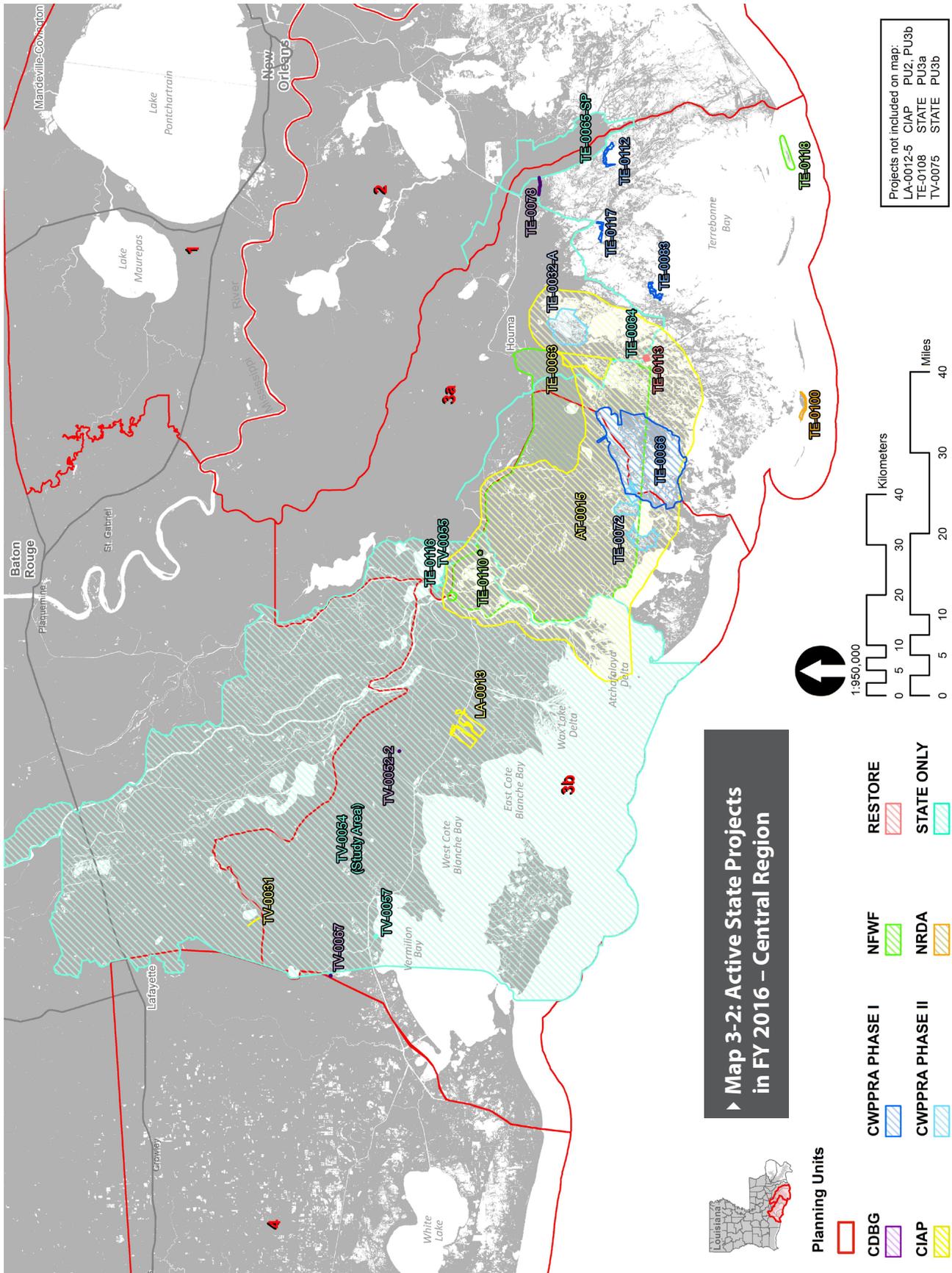
In February 2013, Transcoean agreed to pay \$1 billion to resolve federal CWA civil penalties. The total amount of BP's CWA civil penalties will ultimately be determined by the final phase of the civil trial which began in January 2015.

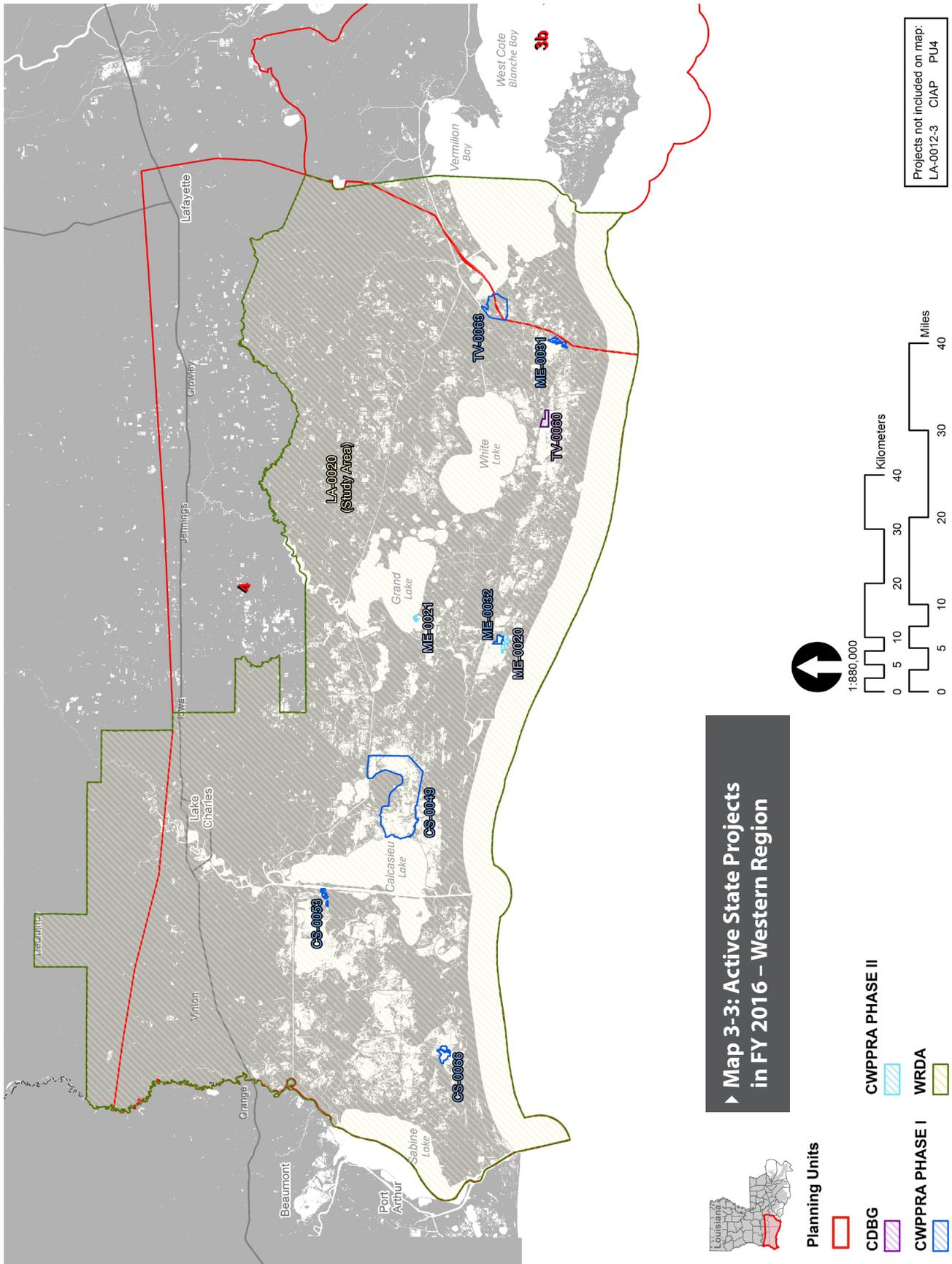
Council-Selected Restoration Component Projects

In November 2014, Louisiana submitted the following five projects to the Gulf Coast Ecosystem Restoration Council for consideration under the first phase of funding for the Council-Selected Restoration Component of the RESTORE Act.

- Golden Triangle Marsh Creation Project (Funding Request: \$4.4 M)
- Mississippi River Reintroduction into Maurepas Swamp (Funding Request: \$14.2 M)
- Biloxi Marsh Living Shoreline Project (Funding Request: \$3.2 M)
- West Grand Terre Beach Nourishment and Stabilization Project (Funding Request: \$7.3)
- Lower Mississippi River Management Program (Funding Request: \$16.1 M)







► **Table 3-1: Projects Scheduled to be in Construction in FY 2016**

Project ID	Project Name	Construction Start Date ¹	Construction Finish Date	State Construction Budget
CWPPRA Phase II Projects				
BA-0027C	Barataria Basin Landbridge Shoreline Protection, Phase 3-CU7 & 8	21-Jan-15	09-Jun-16	\$3,765,298
BA-0048	Bayou Dupont Marsh and Ridge Creation Project	11-Jun-13	04-Jan-16	\$5,343,343
BS-0016	South Lake Lery Shoreline and Marsh Restoration	05-Sep-13	02-Jun-16	\$4,470,149
ME-0020	South Grand Chenier Marsh Creation Project	15-Jun-15	11-Aug-16	\$3,039,739
ME-0021	Grand Lake Shoreline Protection - Tebo Point	02-Jul-15	01-Apr-16	\$1,350,988
PO-0104	Bayou Bonfouca Marsh Creation	07-Dec-15	01-Dec-16	\$3,818,511
TE-0072	Lost Lake Marsh Creation and Hydrologic Restoration	20-Feb-15	04-Nov-16	\$4,845,977
CIAP Projects				
BA-0043 (EB)	Mississippi River Long Distance Sediment Pipeline ²	17-Sep-13	04-Jan-16	\$56,495,337
BA-0161	Mississippi River Water Reintroduction into Bayou Lafourche	16-Jan-15	30-Dec-16	\$18,350,000
BA-0162-CAT	Shoreline Protection Cat Island	15-Jul-15	15-Feb-16	\$1,200,000
MR-0016-SSPM	Mississippi River Delta Strategic Planning - SSPM Expansion	15-Oct-14	11-Jul-16	\$8,701,642
PO-0043	East LaBranche Shoreline Protection	15-Dec-14	11-Nov-15	\$2,000,000
PO-0073-2	Central Wetlands - EBSTP to A2	16-Feb-15	16-May-16	\$4,218,168
PO-0073-3	Central Wetlands Demonstration Expansion	17-Sep-14	12-Jan-16	\$4,010,000
PO-0148	Living Shoreline	01-Oct-15	30-Dec-16	\$23,500,000
TE-0063	Falgout Canal Freshwater Enhancement	02-Dec-15	30-Dec-16	\$3,300,000
TV-0031	Acadiana Regional Airport Street Improvements - Admiral Doyle Drive	11-Jul-14	15-Oct-15	\$602,500
State-Only Projects				
BA-0075-1	Jean Lafitte Tidal Protection	12-Mar-14	09-Sep-15	\$17,700,000
BA-0075-2	Rosethorne Tidal Protection	16-Sep-15	04-Jan-17	\$17,200,000
BA-0085	St. Charles West Bank Hurricane Protection Levee	04-Dec-13	30-Mar-18	\$8,000,000
BA-0168	Grand Isle Fifi Island Breakwater	31-Mar-15	31-Dec-15	\$5,356,453
BA-0169	Kramer/Bayou Boeuf Levee Lift	30-Oct-15	01-Aug-16	\$1,000,000
PO-0142	Hydrologic Restoration of the Amite Diversion Canal	09-Apr-15	10-Feb-16	\$2,542,100
TE-0064	Morganza to the Gulf	30-Nov-05	30-Jun-17	\$115,500,000
TE-0065-SP	Larose to Golden Meadow - Larose Sheetpile	28-Feb-15	15-Aug-15	\$8,000,000
TV-0055	Morgan City/St. Mary Flood Protection	08-Jul-15	12-Sep-16	\$3,370,000
CDBG Projects				
BA-0082	Lafitte Area Levee Repair	04-May-15	23-Feb-16	\$425,000
TE-0078	Cut-Off/Pointe Aux Chene Levee	11-May-15	22-Aug-16	\$7,352,567

► **Table 3-1: Projects Scheduled to be in Construction in FY 2016**

Project ID	Project Name	Construction Start Date ¹	Construction Finish Date	State Construction Budget
TV-0052-2	Franklin Floodgate Sinkable Barge and Pump Station ²	14-Feb-14	26-Jan-16	\$1,091,000
TV-0060	Front Ridge Chenier Terracing/Protection	04-May-15	14-Apr-16	\$1,421,572
TV-0067	Bayou Tigre Flood Control Project	28-Sep-15	23-Jan-17	\$5,308,244
HSDRRS Projects^{3,4}				
BA-0066	West Bank and Vicinity	26-Jan-07	30-Dec-16	\$4,304,525,784
BA-0067	New Orleans to Venice	03-Aug-12	16-Oct-20	\$1,301,523,760
BA-0109	HSDRRS Mitigation - WBV	01-Sep-15	29-Jun-20	\$126,000,000
BA-0154	Previously Authorized Mitigation WBV ⁵	04-Apr-14	24-Jul-18	\$11,000,000
PO-0057	SELA-Overall	18-Feb-09	12-Oct-20	\$1,170,974,586
PO-0060	Permanent Canal Closures and Pump Stations	01-Jan-13	08-Feb-18	\$614,800,000
PO-0121	HSDRRS Mitigation - LPV	19-Aug-15	30-Nov-17	\$29,750,000
PO-0145	LPV Task Force Guardian Mitigation- Bayou Sauvage ⁶	01-Mar-12	31-Oct-14	\$780,000
PO-0146	Previously Authorized Mitigation LPV- Manchac ⁶	27-May-11	16-Feb-16	\$21,000,000
NRDA Early Restoration Projects				
BA-0111	Shell Island West - NRDA	05-Feb-15	01-Aug-17	\$101,307,860
TE-0100	NRDA Caillou Lake Headlands	16-Apr-15	07-Jan-16	\$108,309,000
NFWF Projects				
BA-0143	Caminada Headland Beach and Dune Restoration Increment 2	28-May-14	20-Oct-16	\$144,551,441
Notes				
<ol style="list-style-type: none"> 1. Construction start date is defined as projected date for advertisement of construction bid notice; actual date of mobilization may vary. 2. Project partially funded with Surplus funds. 3. Full project budget (state and federal) is presented. 4. Pending completion of approval process. 5. Project cost included in total cost for BA-0066. 6. Project cost included in total cost for PO-63. 				

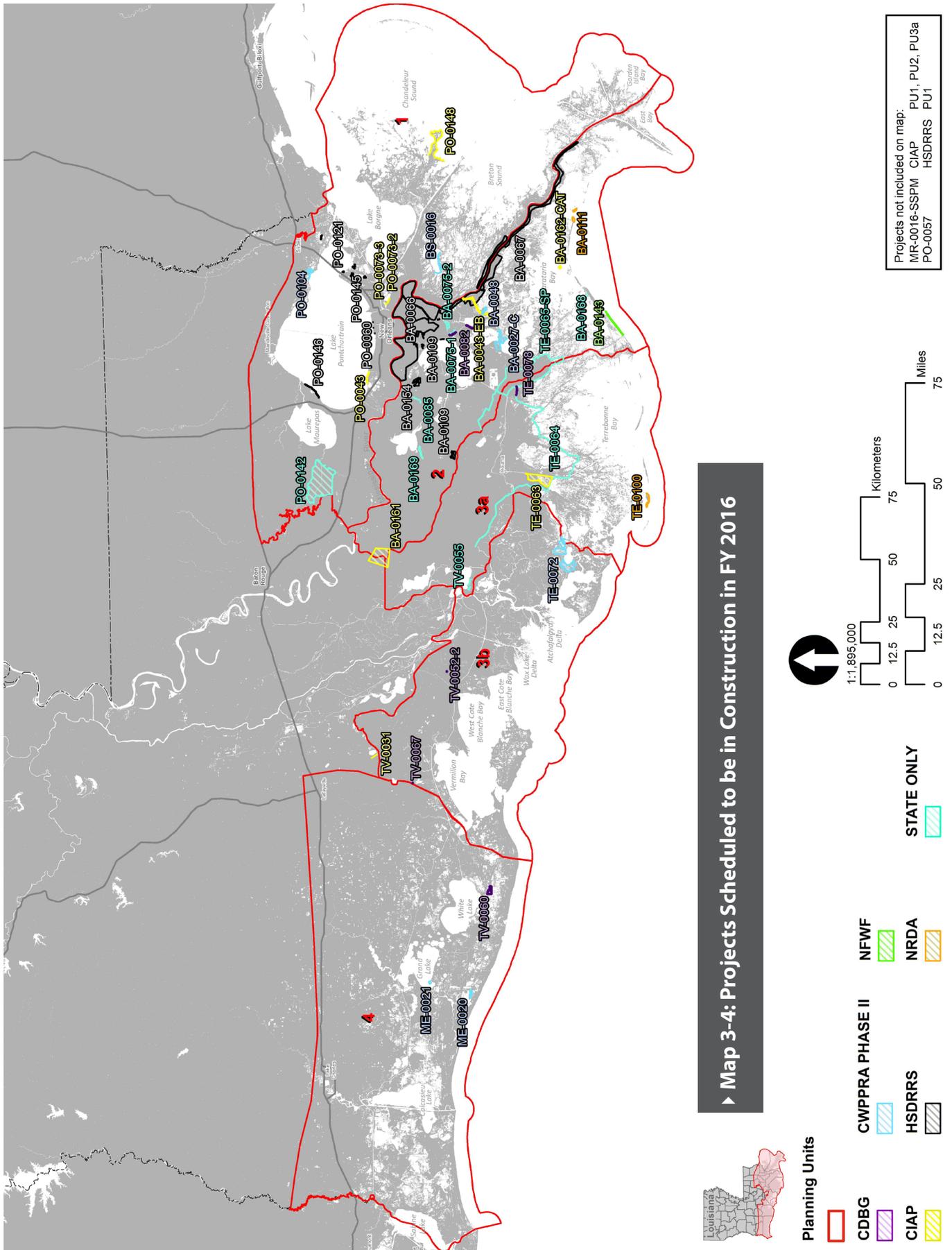


Table 3-2: Projected Three-Year Schedules for Active CWPPRA Projects¹ (FY 2016 - 2018)

Project ID	Project Name	Tier	Federal Sponsor	FY 2016				FY 2017				FY 2018			
				1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
CWPPRA Phase I Projects															
BA-0034-2	Hydrologic Restoration and Vegetative Planting in the Lac des Allemands Swamp	2	EPA	D	D	W	W	W	W	W	W	W	W	W	
BA-0125	Northwest Turtle Bay Marsh Creation	2	USFWS	D	D	D	D	D	D	D	W	W	W	W	
BA-0171	Caminada Headland Back Barrier Marsh Creation	1	EPA	D	D	D	D	D	D	D	W	W	W	W	
BA-0173	Bayou Grande Cheniere Marsh and Ridge Restoration	1	USFWS	D	D	D	D	D	D	D	D	D	W	W	
BS-0024	Terracing and Marsh Creation South of Big Mar	2	USFWS	D	D	W	W	W	W	W	W	W	W	W	
CS-0049	Cameron-Creole Freshwater Introduction	1	NRCS	D	W	W	W	W	W	W	W	W	W	W	
CS-0053	Kelso Bayou Marsh Creation	1	NRCS	D	D	D	D	D	D	D	D	D	W	W	
CS-0066	Cameron Meadows Marsh Creation and Terracing	2	NOAA	D	D	W	W	W	W	W	W	W	W	W	
ME-0031	Freshwater Bayou Marsh Creation (CWP-PRA)	1	NRCS	D	D	D	D	D	D	W	W	W	W	W	
ME-0032	South Grand Chenier Marsh Creation - Baker Tract	1	NRCS	D	D	D	D	D	D	D	D	W	W	W	
PO-0075	LaBranche East Marsh Creation	2	NRCS	D	D	D	D	D	D	D	D	W	W	W	
PO-0133	Labranche Central Marsh Creation	2	NRCS	D	D	D	D	D	D	D	D	W	W	W	
TE-0066	Central Terrebonne Freshwater Enhancement	1	NRCS	D	D	D	D	D	D	D	D	D	D	W	
TE-0083	Terrebonne Bay Marsh Creation	1	USFWS	D	D	D	D	D	D	D	D	D	D	W	
TE-0112	North Catfish Lake Marsh Creation	2	NRCS	D	D	D	D	D	D	W	W	W	W	W	
TE-0117	Island Road Marsh Creation and Nourishment	1	NOAA	D	D	D	D	D	D	D	W	W	W	W	
TV-0063	Cole's Bayou Marsh Restoration	1	NOAA	D	D	D	W	W	W	W	W	W	W	W	
BA-0164	Bayou Dupont Sediment Delivery- Marsh Creation 3	1	EPA	W	W	W	W	W	W	W	W	W	W	W	
CS-0054	Cameron-Creole Watershed Grand Bayou Marsh Creation	1	USFWS	W	W	W	W	W	W	W	W	W	W	W	
CS-0059	Oyster Bayou Marsh Creation and Terracing	1	NOAA	W	W	W	W	W	W	W	W	W	W	W	
ME-0018	Rockefeller Refuge Gulf Shoreline Stabilization	1	NOAA	W	W	W	W	W	W	W	W	W	W	W	
PO-0034	Alligator Bend Marsh Restoration and Shoreline Protection	1	NRCS	W	W	W	W	W	W	W	W	W	W	W	
TE-0051	Madison Bay Marsh Creation and Terracing	1	NOAA	W	W	W	W	W	W	W	W	W	W	W	
TE-0039-CU2	South Lake Decade Freshwater Introduction - CU2 ²	1	NRCS												
CWPPRA Phase II Projects															
BA-0027-C	Barataria Basin Landbridge SP, Phase 3-CU7 & 8	C	NRCS	C	C	C	F	O	O	O	O	O	O	O	
BA-0048	Bayou Dupont Marsh and Ridge Creation Project	1	NOAA	C	C	F	O	O	O	O	O	O	O	O	

Project ID	Project Name	Tier	Federal Sponsor	FY 2016				FY 2017				FY 2018			
				1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q
ME-0020	South Grand Chenier Marsh Creation Project	C	USFWS	C	C	C	C	C	F	O	O	O	O	O	O
ME-0021	Grand Lake Shoreline Protection, Tebo Point	1	NRCS	C	C	C	F	O	O	O	O	O	O	O	O
PO-0104	Bayou Bonfouca Marsh Creation	2	USFWS	D	D	C	C	C	F	O	O	O	O	O	O
TE-0032-A	North Lake Boudreaux Basin Freshwater Introduction and Hydrologic Management	1	USFWS	D	D	D	D	C	C	C	C	C	F	O	O
TE-0072	Lost Lake Marsh Creation and Hydrologic Restoration	1	USFWS	C	C	C	C	C	F	O	O	O	O	O	O

Legend		P	Feasibility & Planning	B	Both Design & Construction
References	1. New Phase I / Phase II projects approved at the January 22 Task Force meeting will be presented in the final Annual Plan.	D	Engineering & Design	F	Construction Complete
	2. Project currently on hold; schedule to be updated when implementation recommences.	W	Awaiting Additional Funding for Implementation	I	Program Implementation
		C	Construction	O	Operations, Maintenance, & Monitoring

► Table 3-3: Projected Three-Year Schedules for Active WRDA Projects (FY 2016 - 2018)

Project ID	Project Name	Tier	Federal Sponsor	FY 2016				FY 2017				FY 2018				
				1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	
Other WRDA Projects																
MR-0016	Mississippi River Hydrodynamic and Delta Management Study ¹	1	USACE	P	P	P	P	P	P	P	P	P	P	P	W	W
PO-0068	LCA Small Diversion at Convent / Blind River ²	1	USACE													
Other WRDA Projects																
LA-0020	Southwest Coastal Louisiana Feasibility Study ³	1	USACE	P	P	P	W	W	W	W	W	W	W	W	W	W

Legend		P	Feasibility & Planning	B	Both Design & Construction
References	1. Project partially funded by CIAP funds.	D	Engineering & Design	F	Construction Complete
	2. Project currently on hold; schedule to be updated when implementation recommences.	W	Awaiting Additional Funding for Implementation	I	Program Implementation
	3. Project partially funded by Surplus funds.	C	Construction	O	Operations, Maintenance, & Monitoring

► **Table 3-4: Projected Three-Year Schedules for Active CIAP Projects (FY 2016 - 2018)**

Project ID	Project Name	Tier	Federal Sponsor	FY 2016				FY 2017				FY 2018					
				1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q		
Restoration Projects																	
AT-0015	Atchafalaya Long Distance Sediment Pipeline ¹	1	USFWS	D	D	D	D										
BA-0043-EB	Long Distance Mississippi River Sediment Pipeline ²	1	USFWS	C	C	F											
BA-0161	Mississippi River Water Reintroduction into Bayou Lafourche - BLFWD	1	USFWS	B	B	C	C	C	F								
BA-0162-CAT	Shoreline Protection Cat Island	2	USFWS	C	C	F											
LA-0012-3	Performance Evaluation - Freshwater Bayou	2	USFWS	O	O	O	O	O	O								
LA-0012-5	CIAP Performance Evaluation - Barrier Island Studies	2	USFWS	O	O	O	O	O									
LA-0013	Coastal Forest Conservation Initiative	1	USFWS	I	I												
MR-0016-SSPM	Mississippi River Delta Strategic Planning- SSPM Expansion	1	USFWS	C	C	C	C	F									
PO-0043	East LaBranche Shoreline Protection	C	USFWS	C	F												
PO-0073-2	Central Wetlands - EBSTP to A2	1	USFWS	C	C	C	F										
PO-0073-3	Central Wetlands Demonstration Expansion	C	USFWS	C	C	F											
PO-0148	Living Shoreline	1	USFWS	D	B	C	C	C	F								
TE-0063	Falgout Canal Freshwater Enhancement	2	USFWS	C	C	C	C	C	F								
Infrastructure Projects																	
TV-0031	Acadiana Regional Airport Street Improvements - Admiral Doyle Drive	2	USFWS	C	F												

Legend		P	Feasibility & Planning	B	Both Design & Construction
References	1. Project schedule currently under development.	D	Engineering & Design	F	Construction Complete
	2. Project partially funded by Surplus funds.	W	Awaiting Additional Funding for Implementation	I	Program Implementation
		C	Construction	O	Operations, Maintenance, & Monitoring

► **Table 3-5: Projected Three-Year Schedules for Active State-Only Projects (FY 2016 - 2018)**

Project ID	Project Name	Tier	Federal Sponsor	FY 2016				FY 2017				FY 2018					
				1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q		
State Non-Surplus Projects																	
PO-0142	Hydrologic Restoration of the Amite River Diversion Canal	1	N/A	C	C	F											
State Surplus Projects																	
BA-0075-1	Jean Lafitte Tidal Protection	1	N/A	C	F												
BA-0075-2	Rosethorne Tidal Protection	1	N/A	C	C	C	C	C	C	F							
BA-0085	St. Charles West Bank Hurricane Protection Levee	1	N/A	B	B	C	C	C	C	C	C	C	C	C	C	F	

Project ID	Project Name	Tier	Federal Sponsor	FY 2016				FY 2017				FY 2018				
				1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	
BA-0169	Kramer/Bayou Boeuf Levee Lift	1	N/A	D	B	C	C	F								
TE-0064	Morganza to the Gulf	C	USACE	C	C	C	C	C	C	C	F					
TE-0065-SP	Larose to Golden Meadow - Larose Sheetpile ^{1,2}	1	USACE	C	F											
TE-0108	HNC Deepening Section 203 Study	2	USACE	P	P	P	P	P	P							
TE-0116	St. Mary Backwater Flooding	1	N/A	D	D	D	D	C	C	C	C	C	F			
TV-0054	South Central Coastal Plan	-	N/A	P	P	P	P	P	P	P	P	P				
TV-0055	Morgan City/ St Mary Flood Protection	1	N/A	C	C	C	C	C	F							
TV-0057	Delcambre-Avery Canal (E&D)	1	N/A	D	D	D										
PO-0167	South Slidell Ring Levee ¹	1	N/A	D	D	D	D	D	D	D						
TV-0075	Bayou Tigre Flood Control Complex ¹	1	N/A	D	D	D	D	D	D	C	C	C	C	C	C	C

Legend		P	Feasibility & Planning	B	Both Design & Construction
References	1. Project schedule currently under development. 2. Project will involve additional improvements within the Larose to Golden Meadow system beyond those completed in FY 2015.	D	Engineering & Design	F	Construction Complete
		W	Awaiting Additional Funding for Implementation	I	Program Implementation
		C	Construction	O	Operations, Maintenance, & Monitoring

► Table 3-6: Projected Three-Year Schedules for Active CDBG Projects (FY 2016 - 2018)

Project ID	Project Name	Tier	Federal Sponsor	FY 2016				FY 2017				FY 2018				
				1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	
BA-0082	Lafitte Area Levee Repair	1	HUD	C	C	F										
TE-0078	Cut-Off/Pointe Aux Chene Levee	1	HUD	C	C	C	C	F								
TV-0052-2	Franklin Floodgate Sinkable Barge and Pump Station (Phase 2) ¹	1	HUD	C	C	F										
TV-0060	Front Ridge Chenier Terracing/Protection	1	HUD	C	C	C	F									
TV-0067	Bayou Tigre Flood Control Project	1	HUD	D	C	C	C	C	C	F						

Legend		P	Feasibility & Planning	B	Both Design & Construction
References	1. Project partially funded by Surplus funds.	D	Engineering & Design	F	Construction Complete
		W	Awaiting Additional Funding for Implementation	I	Program Implementation
		C	Construction	O	Operations, Maintenance, & Monitoring

► **Table 3-7: Projected Three-Year Schedules for Active HSDRRS Projects (FY 2016 - 2018)¹**

Project ID	Project Name	Tier	Federal Sponsor	FY 2016				FY 2017				FY 2018				
				1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	
BA-0066	West Bank and Vicinity ^{2,3}	C	USACE	C	C	C	C	C	F							
BA-0067	New Orleans to Venice ²	1	USACE	C	C	C	C	C	C	C	C	C	C	C	C	C
BA-0109	HSDRRS Mitigation- WBV ²	2	USACE	D	B	B	B	B	B	B	B	B	B	B	B	B
BA-0154	Previously Authorized Mitigation WBV ²	2	USACE	B	B	B	B	B	C	C	C	C	C	C	C	C
BA-0156	Plaquemines TFU Mitigation - Braithwaite to Scarsdale - Big Mar ^{2,4}	2	USACE													
BA-0158	New Orleans to Venice Mitigation - Plaquemines Non-Federal ²	2	USACE	P	D	D	D	D	C	C	C	C	C	C	C	C
BA-0159	New Orleans to Venice Mitigation - Federal ²	2	USACE	P	D	D	D	D	C	C	C	C	C	C	C	C
PO-0057	SELA- Overall ²	C	USACE	C	C	C	C	C	C	C	C	C	C	C	C	C
PO-0060	Permanent Canal Closures and Pump Stations ²	1	USACE	C	C	C	C	C	C	C	C	C	C	C	F	
PO-0121	HSDRRS Mitigation- LPV ²	2	USACE	B	B	B	B	B	C	C	C	C	C	C	F	
PO-0145	LPV Task Force Guardian Mitigation- Bayou Sauvage ²	C	USACE	F												
PO-0146	Previously Authorized Mitigation LPV-Manchac ²	C	USACE	C	C	F										
PO-0062	West Shore-Lake Pontchartrain, Louisiana Hurricane Protection Project Feasibility Study	1	USACE	W	W	W	W	W	W	W	W	W	W	W	W	W
BA-0148	Risk Reduction- Barataria Basin Land-bridge ⁵	2	USACE													
BS-0003-B	Risk Reduction Via Modification to the Caernarvon Freshwater Diversion ⁵	2	USACE													

Legend		P	Feasibility & Planning	B	Both Design & Construction
References	1. OM&M duties are the responsibility of the local sponsor.	D	Engineering & Design	F	Construction Complete
	2. State expenditures may be covered with Surplus allocation for HSDRRS LERRDS.	W	Awaiting Additional Funding for Implementation	I	Program Implementation
	3. Payments for 30-year payback to commence upon completion of construction activities. According to the USACE, payback will begin in calendar year 2015.	C	Construction	O	Operations, Maintenance, & Monitoring
	4. Project involves the purchase of property for mitigation purposes; no construction activity is associated with this project.				
	5. Project currently on hold; schedule to be updated when implementation recommences.				

► **Table 3-8: Projected Three-Year Schedules for Active and Proposed Oil Spill Projects (FY 2016 - 2018)**

Project ID	Project Name	Tier	Federal Sponsor	FY 2016				FY 2017				FY 2018				
				1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	1Q	2Q	3Q	4Q	
NRDA Early Restoration Projects																
BA-0111	Shell Island West- NRDA	1	N/A	C	C	C	C	C	C	C	C	C	F			
TE-0100	NRDA Caillou Lake Headlands	1	N/A	C	C	C	C	C	C	F						
NFWF Projects																
BA-0143	Caminada Headland Beach and Dune Restoration Increment 2	1	N/A	C	C	C	C	C	F							
BA-0153	Mid-Barataria Sediment Diversion	1	N/A	D	D	D	D	D	D	D	D	D	D	D	D	D
TE-0110	Increase Atchafalaya Flow to Eastern Terrebonne	1	N/A	P	P	P	P	W	W	W	W	W	W	W	W	W
TE-0118	East Timbalier Island Restoration	1	N/A	D	D	D	D	D	D	D	D	D	D	W	W	W
BA-0163	Lower Mississippi River Sediment Diversions ¹	1	N/A	W	W	W	W	W	W	W	W	W	W	W	W	W
RESTORE Projects (Proposed)																
PO-0029	Mississippi River Reintroduction into Maurepas Swamp	1	N/A	D	D	D	D	D	D	W	W	W	W	W	W	W
TE-0113	Houma Navigation Canal Lock Complex	1	N/A	D	D	D	D	D	D	D	D	D	D	D	D	D
CS-0065	Calcasieu Ship Channel Salinity Control Measures	1	N/A	W	W	W	W	W	W	W	W	W	W	W	W	W
PO-0163	Golden Triangle Marsh Creation	-	N/A	W	W	W	W	W	W	W	W	W	W	W	W	W
N/A	West Grand Terre Beach Nourishment and Stabilization	-	N/A	W	W	W	W	W	W	W	W	W	W	W	W	W
N/A	Biloxi Oyster Reef	-	N/A	W	W	W	W	W	W	W	W	W	W	W	W	W
N/A	Lower Mississippi River Management	-	N/A	W	W	W	W	W	W	W	W	W	W	W	W	W

Legend		P	Feasibility & Planning	B	Both Design & Construction
References	1. Project involves evaluating the feasibility of sediment diversions into the Mid Breton, Lower Breton, and Lower Barataria basins.	D	Engineering & Design	F	Construction Complete
		W	Awaiting Additional Funding for Implementation	I	Program Implementation
		C	Construction	O	Operations, Maintenance, & Monitoring