



Integrated Ecosystem Restoration & Hurricane Protection in Coastal Louisiana



Fiscal Year 2020 Annual Plan





Coastal Protection and Restoration Authority



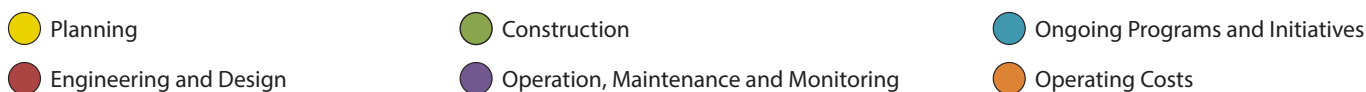
CPRA produces the Annual Plan in compliance with Act 523 of the 2009 Regular Session, amended by Act 604.

- Spending authorization for the upcoming fiscal year; and
- A 3-Year outlook of projected revenues, expenditures, and project schedules.

CPRA revenues are based on projections; expenditures occur only IF and WHEN projected revenues are received.

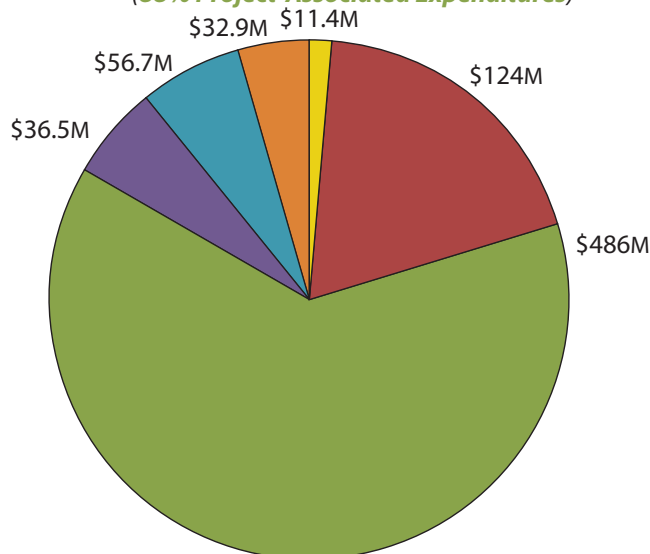
Primary revenue streams include:

- Annual recurring revenues: State mineral revenues, GOMESA
- Annual payments 2017-2032: DWH Oil Spill dollars (NRDA, NFWF, RESTORE)
- Other grant-based programs (Federal CWPPRA reimbursement)



FY2020: TOTAL EXPENDITURES \$748 million

(88% Project-Associated Expenditures)

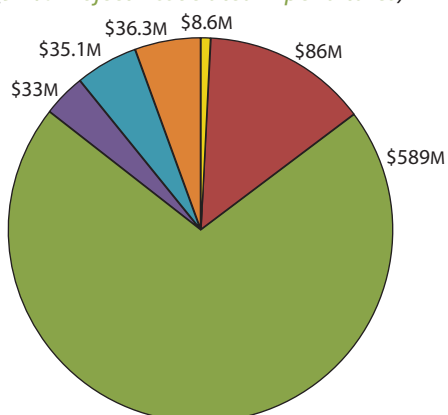


Notes

- Construction includes Beneficial Use (\$2 million)
- OM&M includes BIMP (\$2.6 million) and Repair/Rehabilitation of Projects (\$1.1 million)

FY2021: TOTAL EXPENDITURES \$788 million

(91% Project-Associated Expenditures)

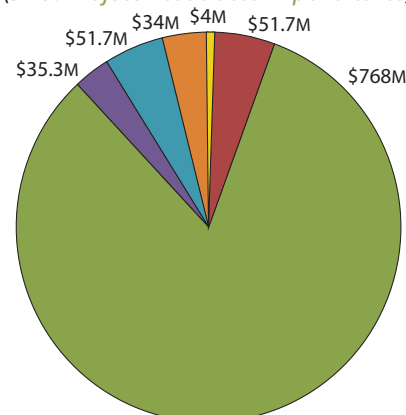


Notes

- Construction includes Beneficial Use (\$2 million)
- Engineering and Design and Construction include CWPPRA adjustment for outlying years (see Table 16 for explanation)
- Total excludes HSDRRS payback (\$103 million)

FY2022: TOTAL EXPENDITURES \$945 million

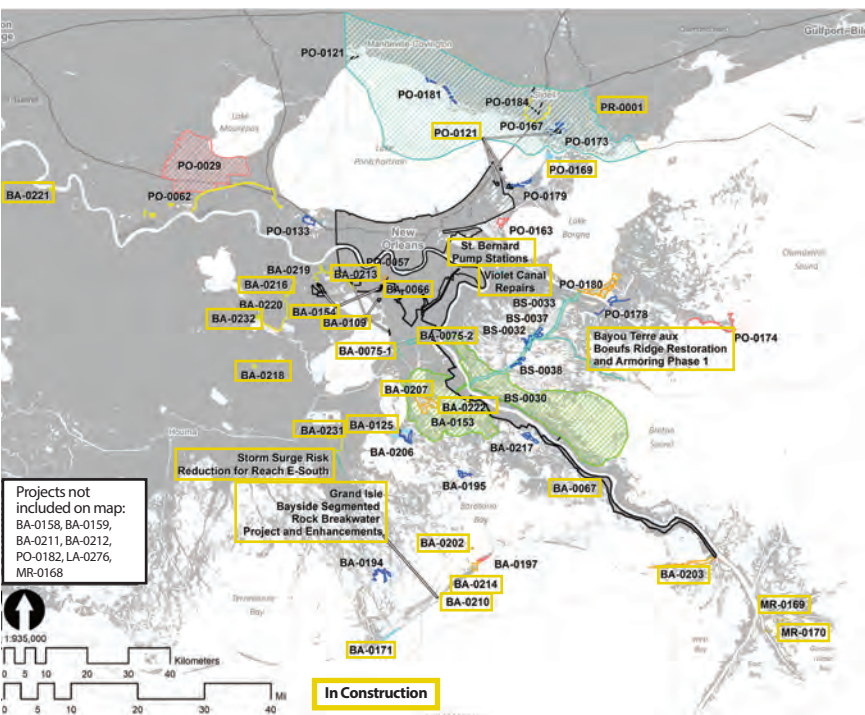
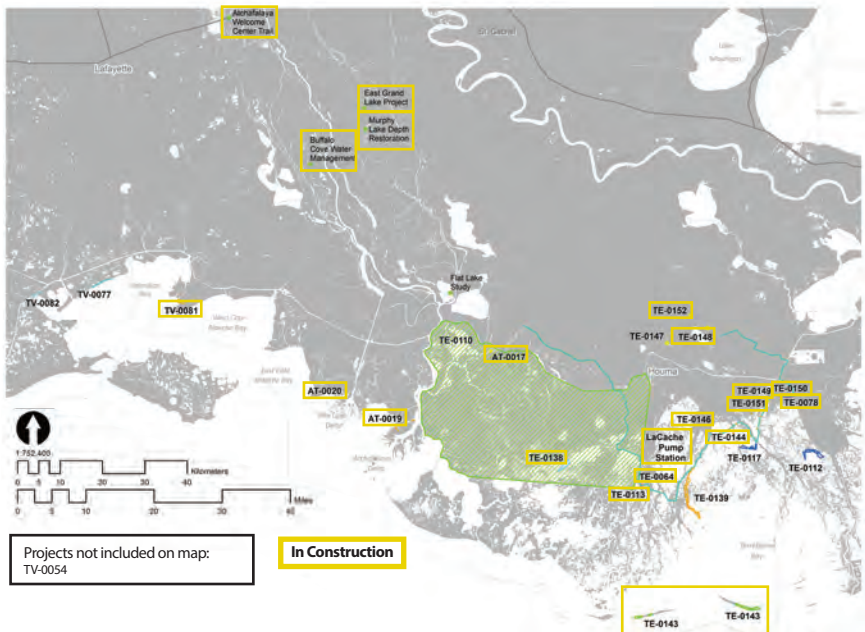
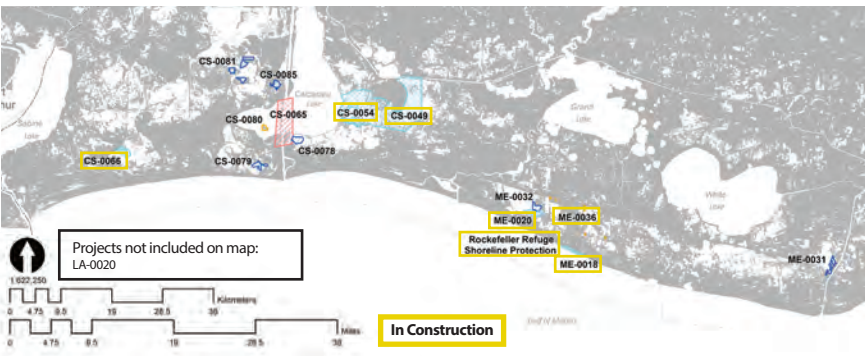
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Notes

- Construction includes Beneficial Use (\$2 million)
- Engineering and Design and Construction include CWPPRA adjustment for outlying years (see Table 16 for explanation)
- Total excludes HSDRRS payback (\$103 million)

Active Projects in FY 2020



108 active projects:
58 in construction, 44 in E&D, 6 in planning

58 in construction, 44 in E&D, 6 in planning

Southwest Region

16 active projects:
7 in construction, 9 in E&D

7 in construction, 9 in E&D

Projects in Construction:

- CS-0049** Cameron-Creole Freshwater Introduction
- CS-0054** Cameron-Creole Grand Bayou Marsh Creation
- CS-0066** Cameron Meadows Marsh Creation and Terracing
- ME-0018** Rockefeller Refuge Gulf Shoreline Stabilization
- ME-0020** South Grand Chenier Marsh Creation
- ME-0036** Rockefeller Piers and Signage
- Rockefeller Refuge Shoreline Protection**

CS-0049 Cameron-Creole Freshwater Introduction
CS-0054 Cameron-Creole Grand Bayou Marsh Creation
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ME-0018 Rockefeller Refuge Gulf Shoreline Stabilization
ME-0020 South Grand Chenier Marsh Creation
ME-0036 Rockefeller Piers and Signage
Rockefeller Refuge Shoreline Protection

Southcentral Region

30 active projects:
21 in construction, 7 in E&D, 2 in planning

21 in construction, 7 in E&D, 2 in planning

Projects in Construction:

- AT-0017** Bayou Chene Floodgate
- AT-0019** Atchafalaya Delta WMA Boat Access
- AT-0020** Atchafalaya Delta WMA Campground Improvements
- TE-0064** Morganza to the Gulf
- TE-0078** Cut-Off/Pointe aux Chene Levee
- TE-0113** Houma Navigation Canal Lock Complex
- TE-0138** Bayou DeCade Ridge and Marsh Creation
- TE-0143** Terrebonne Basin Barrier Island
- TE-0144** Island Road Fishing Piers
- TE-0146** Pointe-aux-Chenes WMA Enhancements
- TE-0148** 40 Arpent Canal Levee- Lockport Co. Canal to Butch Hill Station
- TE-0149** Bayou Lil Bleu Structure
- TE-0150** Reach L
- TE-0151** Grand Bayou Floodgate
- TE-0152** Storm Surge Risk Reduction for US-90 at Bayou Folse
- TV-0081** Cypremont Point State Park Improvements
- Atchafalaya Welcome Center Trail**
- Buffalo Cove Water Management**
- East Grand Lake Upper Region**
- LaCache Pump Station**
- Murphy Lake Depth Restoration**

AT-0017 Bayou Chene Floodgate
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TV-0081 Cypress Point State Park Improvements

Atchafalaya Welcome Center Trail
Buffalo Cove Water Management
East Grand Lake Upper Region
LaCache Pump Station
Murphy Lake Depth Restoration

Southeast Region

62 active projects:
30 in construction, 28 in E&D, 4 in planning,

30 in construction, 28 in E&D, 4 in planning,

Projects in Construction:

- BA-0075-1** Jean Lafitte Tidal Protection
- BA-0075-2** Rosethorne Tidal Protection
- BA-0066** West Bank and Vicinity
- BA-0067** New Orleans to Venice
- BA-0109** HSDRRS Mitigation- WBV
- BA-0125** Northwest Turtle Bay Marsh Creation
- BA-0154** Previously Authorized Mitigation- WBV
- BA-0171** Caminada Headlands Back Barrier Marsh Creation
- BA-0202** Queen Bess Island Restoration
- BA-0203** Barataria Basin Ridge and Marsh Restoration- Spanish Pass
- BA-0210** Grand Isle & Vicinity Breakwater
- BA-0213** Bayou Segnette State Park Improvements
- BA-0214** Grand Isle State Park Improvements
- BA-0216** Magnolia Ridge Levee Lift and Road
- BA-0218** Levee Improvements for Gheens Community
- BA-0221** Pumping Capacity Improvements Phase 1
- BA-0222** NOV-NF Drainage Canal Relocation
- BA-0231** Storm Surge Risk Reduction for Reach E-North
- BA-0232** Des Allemands FDA Pump Station Rehabilitation
- MR-0169** Pass a Loutre Crevasses NRDA
- MR-0170** Pass a Loutre Campgrounds NRDA
- PO-0057** SELA- Overall
- PO-0121** HSDRRS Mitigation- LPV
- PO-0169** New Orleans Landbridge Shoreline Stabilization & Marsh Creation
- PR-0001** Middle Pearl River WMA Boat Launch
- Grand Isle Bayside Segmented Rock Breakwater**
- St. Bernard Pump Station Repairs**
- Violet Canal Repairs**
- Storm Surge Risk Reduction for Reach E-South**
- Bayou Terre aux Boeufs Ridge Restoration**

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Storm Surge Risk Reduction for Reach E-South
Bayou Terre aux Boeufs Ridge Restoration



With the passage of Act 8 of the First Extraordinary Session of 2005 (Act 8), the Louisiana Legislature mandated the integration of hurricane protection activities (e.g., levee construction) and coastal restoration activities (e.g., river diversions or marsh creation). Act 8 also created the Coastal Protection and Restoration Authority Board (CPRA Board) and tasked it with oversight of these activities. The Office of Coastal Protection and Restoration (OCPR) was designated as the implementation arm of the CPRA Board. To avoid confusion, the 2012 Louisiana Legislature changed the name of the state agency from OCPR to the Coastal Protection and Restoration Authority (CPRA).

The CPRA Board, with the assistance of CPRA, is required by Act 523 of the 2009 Regular Legislative Session, amended by Act 604, to produce an Annual Plan that inventories projects, presents implementation schedules for these projects, and identifies funding schedules and budgets. This Fiscal Year 2020 Annual Plan provides an update on the state's efforts to protect and restore its coast and describes the short-term and long-term results that citizens can expect to see as the state progresses toward a sustainable coast.

Act 570 of the 2018 Regular Session, enacting La. R.S. 49:214.8.1, et seq., transferred the responsibilities of the Atchafalaya Basin Research and Promotion Board and the Atchafalaya Basin Program from the Department of Natural Resources to the Coastal Protection and Restoration Authority. The Atchafalaya Basin Program (R.S. 49:214.8.1 et seq.) is placed within the Coastal Protection and Restoration Authority, which shall perform and exercise the powers, duties, functions, and responsibilities of the Program as provided by law. The annual basin plan shall be included in the Annual Plan: Integrated Ecosystem Restoration and Hurricane Protection in Coastal Louisiana produced each year by the Coastal Protection and Restoration Authority.



State of Louisiana



JOHN BEL EDWARDS
GOVERNOR

Dedicated Constituents,

I am pleased to present to you the Coastal Protection and Restoration Authority's *Integrated Ecosystem Restoration and Hurricane Protection in Coastal Louisiana: Fiscal Year 2020 Annual Plan*. This plan is where CPRA details, through project lists and schedules, how it aims to implement the Coastal Master Plan. This plan communicates to the people of Louisiana and the Legislature how we plan on spending the first significant Phase II GOMESA revenues, how we will continue to mobilize *Deepwater Horizon* oil spill funding for large and small projects alike, and what we think the following fiscal year '21 and fiscal year '22 plans might bring in terms of revenues and expenditures. If the Master Plan is the vision, the Annual Plan is where that vision becomes reality.

The work ahead of us is built upon a solid foundation of accomplishments. Since its inception CPRA has dredged 152 million cubic yards of fill to restore or benefit 46,058 acres of land, constructed 60 miles of barrier islands and berms, improved 315 miles of levees, and together with our partners have secured \$21.4 billion for the protection and restoration of our coast in 20 coastal parishes. In fiscal year 20 we are requesting the budgetary authority to advance 6 projects in Planning, 44 in Engineering & Design, 58 in Construction, and 153 in OM&M. Some of the specific project highlights include making additional progress on Morganza to the Gulf, finalizing the LERDDS on West Shore Lake Pontchartrain, furthering the protection of the shoreline at Rockefeller Refuge, and restoring and nourishing three barrier islands in the Terrebonne Basin. These along with other projects outlined in this plan will enhance the protection, restoration, and conservation of our coast.

We recognize that collaboration is the key to unified progress. In FY20 CPRA will continue to partner with federal agencies, parishes, levee districts, and other state governmental entities alongside NGOs, private industry, and private landowners to build a stronger coast. Louisiana's Coastal Master Plan is the roadmap that guides us all in this work, and our Fiscal Year 2020 Annual Plan will bring us one step closer to that goal.

While each Annual Plan is developed to secure spending authorization from the legislature to implement projects, it is also a process that allows us to share our progress and goals for the future with the public. With that in mind, we have sought to give this year's document a new look that we hope will both make it more readable and educational while also doing a better job of highlighting the important achievements we have made for the coast. Our first job is to implement projects, but we know that the more effectively we can share the story of our coast with the people of Louisiana and beyond, the more support we will have.

I hope you enjoy the CPRA Annual Plan's new look and appreciate the ambitious nature of our goals for the coming fiscal year. With pride, I submit this plan with the full knowledge of both the challenges and potential for success that lie before us.

Sincerely,

A handwritten signature in blue ink, appearing to read "Chip Kline".

Chip Kline
Chairman of the Board, Coastal Protection and Restoration Authority



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The Great Flood of 1927

This event has been characterized as one of the worst natural disasters in the history of the United States. More than 23,000 square miles of land flooded, masses of people were displaced and nearly 250 people died.



Hurricane Betsy

On September 9, 1965, Hurricane Betsy struck the greater New Orleans area, causing major flooding, loss of life, and property damage. The storm became the first billion-dollar hurricane, causing \$1.2 billion in damage. In response to Betsy, Congress ordered the U.S. Army Corps of Engineers to build a massive flood-protection system for New Orleans.

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CWPPRA "The Breaux Act"

In 1990, Louisiana Senators J. Bennett Johnston and John Breaux presented their case to help save our vanishing wetlands by successfully persuading Congress to enact the Coastal Wetlands Planning, Protection and Restoration Act (CWPPRA). Often referred to as simply "The Breaux Act," CWPPRA was the first federally mandated restoration effort to take place along Louisiana's coast and the first program to provide a stable source of federal funds dedicated specifically to coastal restoration.



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Flood Control Act of 1928

The passage of this act authorized the U.S. Army Corps of Engineers to design and construct projects for the control of the floods on the Mississippi River and its tributaries and put flood control on par with other major projects of its time with the largest public works appropriation ever authorized.



Formation of CPRA

In December 2005, during a special session to address recovery issues confronting the state following Hurricanes Katrina and Rita, the Louisiana Legislature passed Act 8 of the First Extraordinary Session of 2005, creating the Coastal Protection and Restoration Authority Board and tasking it with integrating coastal protection and restoration in Louisiana. In 2007, CPRA released its first Comprehensive Master Plan for a Sustainable Coast, identifying integrated restoration and hurricane protection measures throughout coastal Louisiana. Since 2007, CPRA has implemented more than 100 projects, benefiting over 46,000 acres of coastal wetlands and improving 315 miles of levees protecting coastal communities.



Hurricanes Katrina and Rita

Category 5 hurricanes Katrina and Rita struck the U.S. Gulf Coast in August and September of 2005. Over 1,400 Louisianans died, over 200,000 homes were damaged, more than one million state residents were displaced. Approximately 200 square miles of marsh were destroyed. The hurricanes also disrupted the national economy, spiking fuel prices, lowering energy reserves, and slowing grain shipments to world markets. The hurricanes' effects highlighted the need to improve Louisiana's hurricane protection systems and restore the wetlands upon which so much of our national economy depends.



2005

2007

Deepwater Horizon Disaster

On April 10, 2010, an oil rig in the Gulf of Mexico exploded, killing 11 crew members and injuring 17 more. An estimated 134 million gallons of oil were released into the ocean resulting in one of the worst environmental disasters in the history of the United States.



2010

2016

Oil Spill Settlement

In April 2016, the federal court overseeing the 2010 *Deepwater Horizon* oil spill litigation approved a settlement agreement and consent decree resolving civil claims against BP arising from the oil spill. In annual increments from 2017-2032 Louisiana will receive a minimum of \$8.7 billion for claims related to natural resource damages under the Oil Pollution Act, Clean Water Act civil penalties, and the State's various economic claims.



State Delegates

Kyle “Chip” Kline, Jr.

Chairman, Coastal Protection and Restoration Authority Board
Governor's Executive Assistant for Coastal Activities

Thomas Harris

Secretary, Louisiana Department of Natural Resources
Keith Lovell, Designee

Dr. Shawn Wilson

Secretary, Louisiana Department of Transportation and Development
Janice Williams, Designee

Jack Montoucet

Secretary, Louisiana Department of Wildlife and Fisheries

Dr. Chuck Brown

Secretary, Louisiana Department of Environmental Quality

Don Pierson

Secretary, Louisiana Department of Economic Development
Patrick Witty, Designee

Dr. Mike Strain

Commissioner, Louisiana Department of Agriculture and Forestry
Brad Spicer, Designee

John “Jay” Dardenne

Commissioner, Louisiana Division of Administration
Barbara Goodson, Designee

James Waskom

Director, Governor's Office of Homeland Security and Emergency Preparedness

James “Jim” Donelon, III

Commissioner, Louisiana Department of Insurance

R. King Milling

Chairman, Governor's Advisory Commission on Coastal Protection, Restoration and Conservation

The CPRA Board is made up of the secretaries of nine state agencies including Wildlife and Fisheries, Louisiana Economic Development, Agriculture, Insurance, Natural Resources, Transportation and Development, Environmental Quality, the Governor's Office of Homeland Security and Emergency Preparedness, and the Division of Administration. It also has members representing the Governor's Advisory Commission on Coastal Protection, Restoration, and Conservation; five members from East of the Atchafalaya River and two members from West of the Atchafalaya River (currently held by levee district leaders and representatives from parish government); and an ex-officio member from both the Louisiana House of Representatives and the Louisiana Senate. (R.S. 49:214.5.1)



Regional Appointees

Laurie Cormier
Representative West of the Atchafalaya River

William "Bill" Hidalgo
St. Mary Levee District
Representative West of the Atchafalaya River

James B. "Jimmy" Cantrelle
Lafourche Parish President
Representative East of the Atchafalaya River

Windell Curole
Representative East of the Atchafalaya River

Senator Norbert N. "Norby" Chabert, Ex-officio
Designee of Senate President John Alario

Representative Tanner Magee, Ex-officio
Designee of Speaker of the House Taylor Barras

Guy McInnis
St. Bernard Parish
Representative of East Atchafalaya River

Bill Bubrig
Representative East of the Atchafalaya River

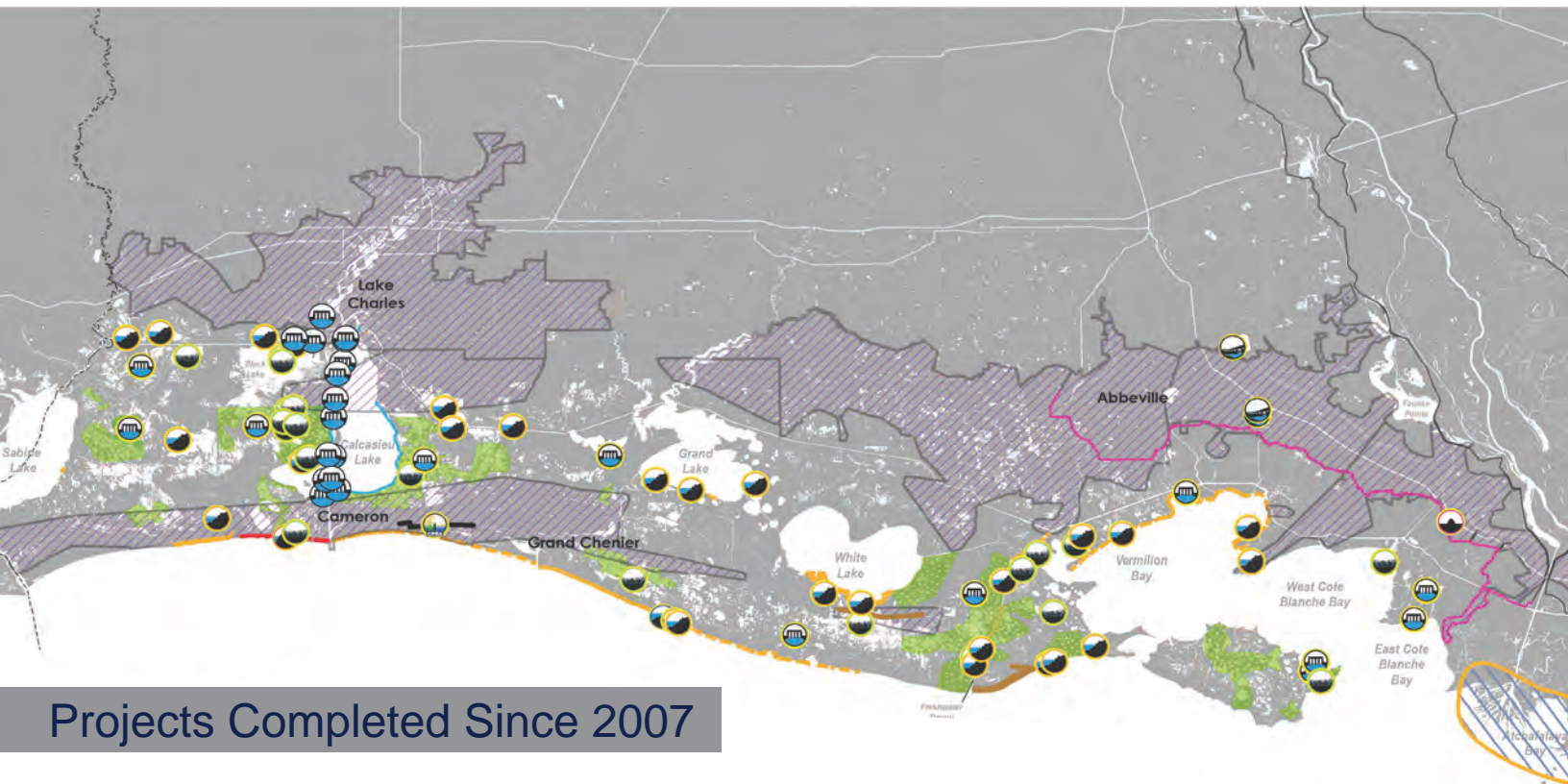
"Over 2 million people who live and work across coastal Louisiana are watching us and counting on us to implement a plan that restores our coast, better protects our communities and makes our state more resilient."

-Chip Kline, Chairman
Coastal Protection and Restoration Authority Board



Our Plan

Past, Present, and Future Work



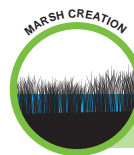
Projects Completed Since 2007



17 Projects
\$6.2 Billion



1 Project
\$18 Million



23 Projects
\$535 Million



7 Projects
\$55 Million



24 Projects
\$397 Million



2 Projects
\$47 Million



2 Projects
\$16 Million



13 Projects
\$757 Million



11 Projects
\$84 Million

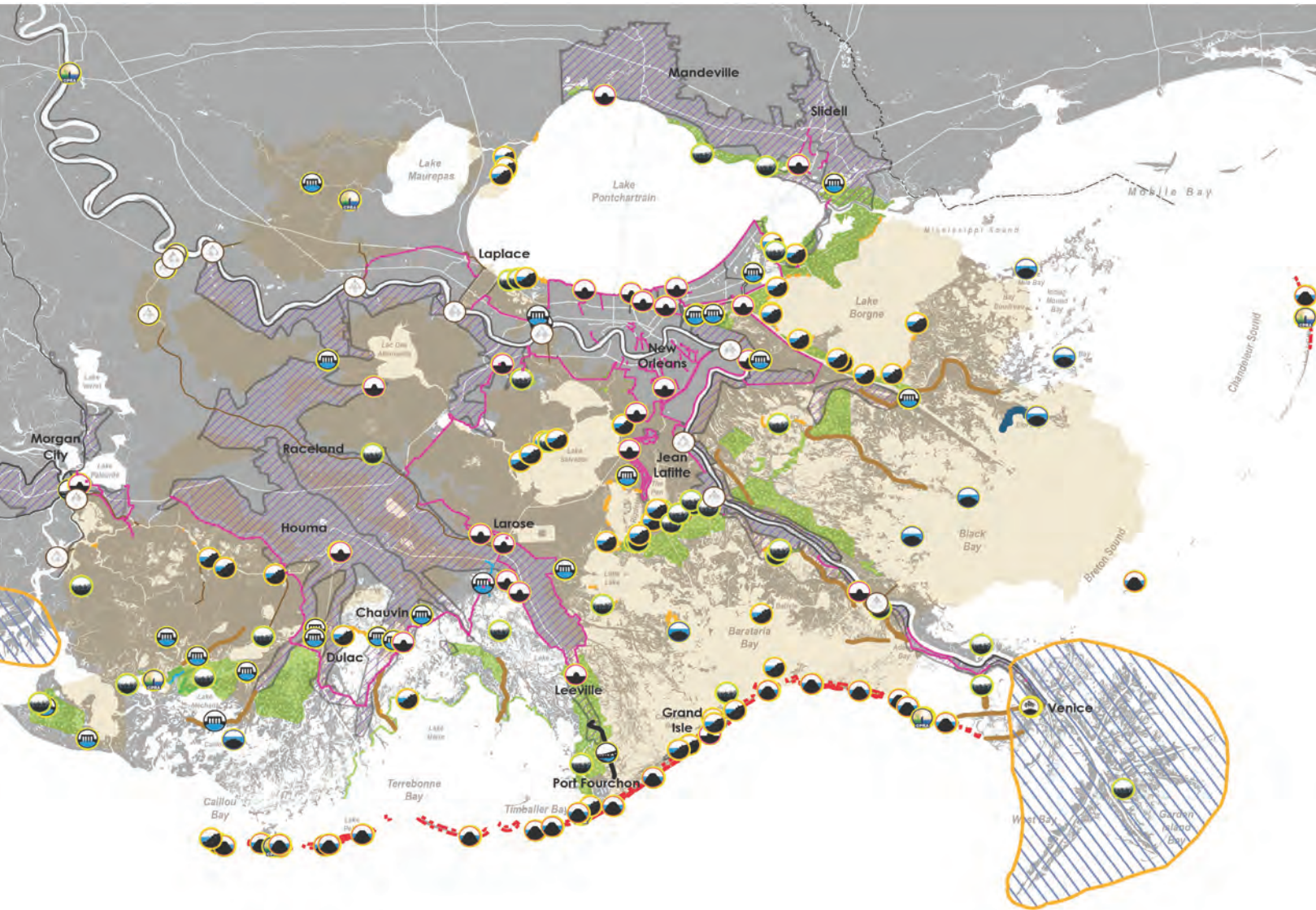


7 Projects
\$273 Million



"Louisiana is implementing the best set of projects and programs to build land and reduce the risk of storm surge flooding to protect and secure our state, our citizens, and our resources."

-John Bel Edwards, Governor
State of Louisiana



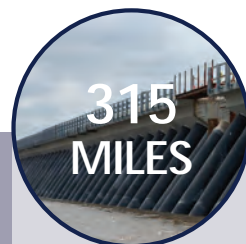
**Secured for
protection &
restoration
projects in 20
parishes**



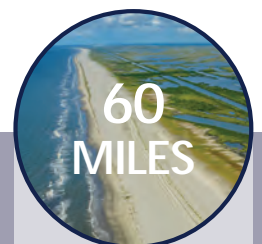
**Cubic yards of
fill utilized**



**Of land
benefited**



**Of levee
improved**

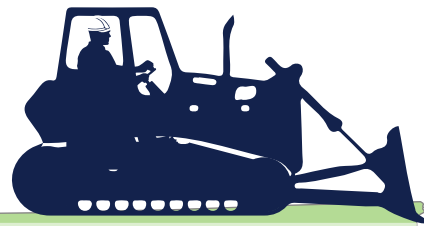


**Of barrier
islands & berms
constructed**

Investments of \$630M - \$840M Support ...

\$590 to \$785 million in **value added**
to the states economy each year

\$460 to \$620 million in
wages each year



\$1.1 to \$1.5 billion in **annual output**

7,800 to 10,500 jobs each year, with
average wages of \$59,000/year
(\$18,000 above the state's average)





PORT OF NEW ORLEANS
New Orleans, Louisiana

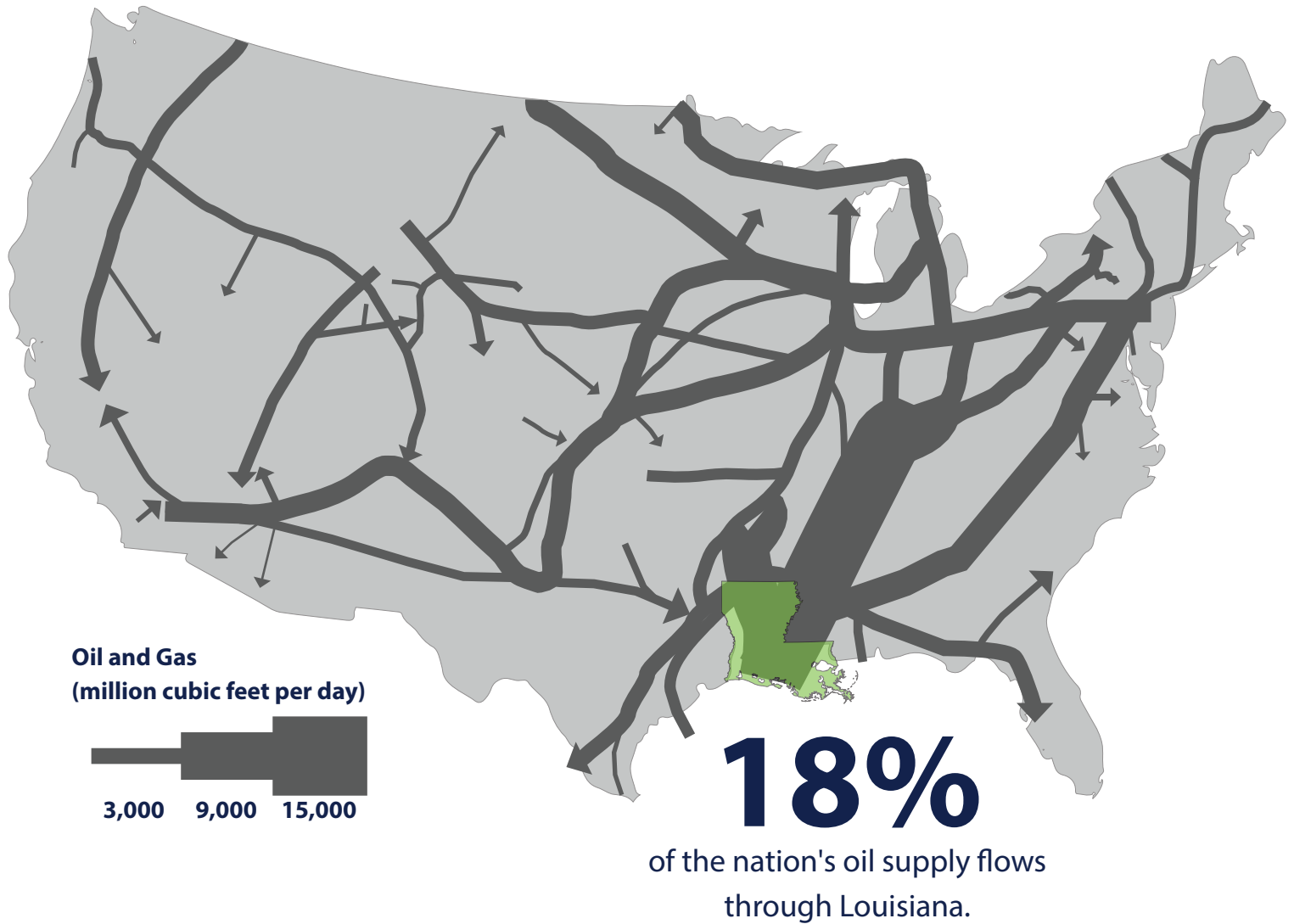


380,000

U.S. JOBS DEPEND ON
CARGO HANDLED THROUGH
THE PORT OF NEW ORLEANS



Louisiana's working coast fuels the nation. Protecting critical infrastructure and the people who live and work in coastal Louisiana is essential to securing the nation's energy production.





PORT FOURCHON
Lafourche Parish, Louisiana

\$44B in annual fuel products for the nation

90% of the deep water oil and gas activity in the Gulf of Mexico

#1 deep water crude oil port in the U.S.

2 of 4 strategic petroleum reserve sites

#3 U.S. natural gas producer

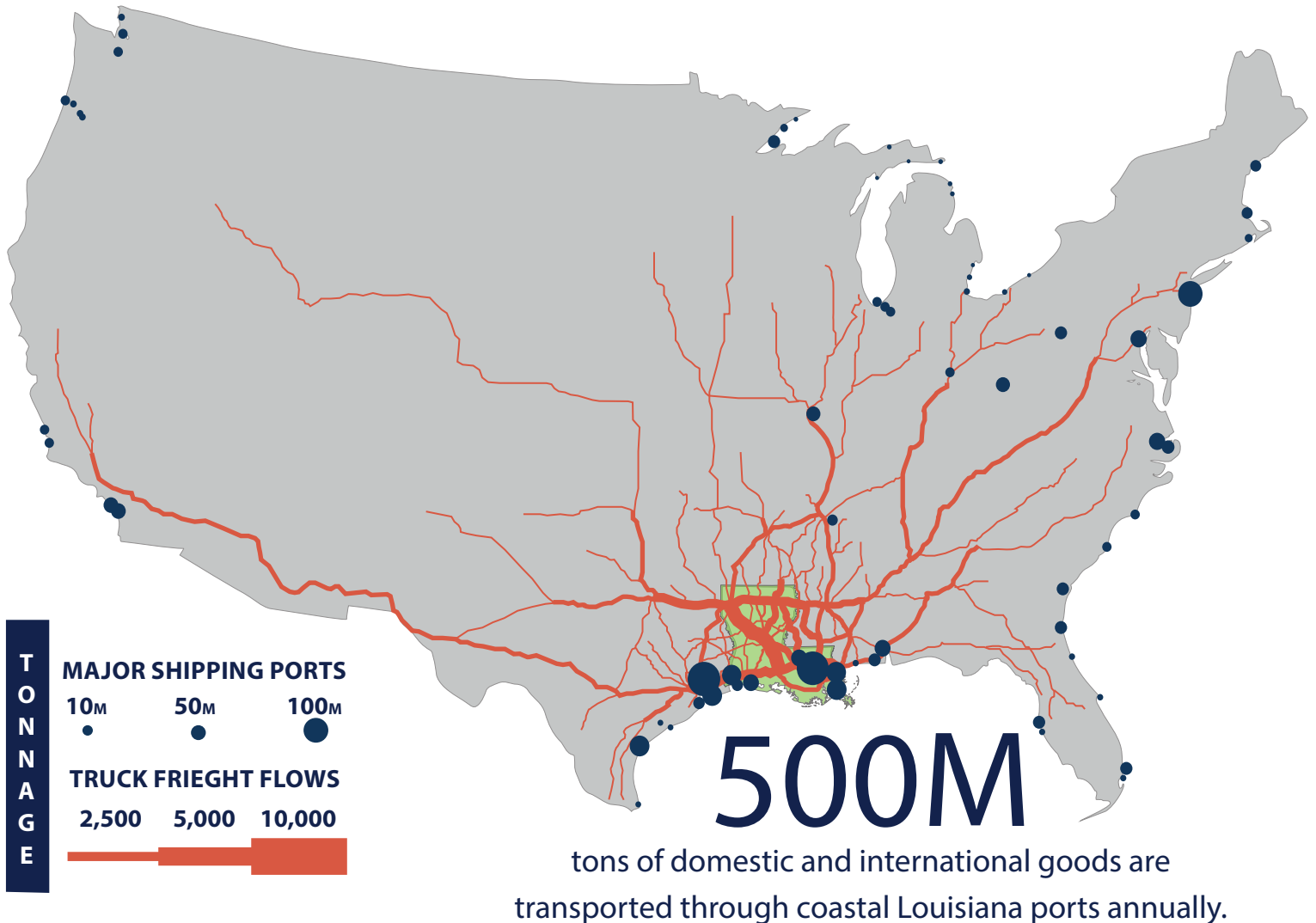
RESULTS IN A LOSS OF: GROSS DOMESTIC PRODUCT
\$11.2B REDUCTION
NATIONWIDE

PORT
FOURCHON
21-DAY
CLOSURE

Our Value

Commerce and Transportation

Coastal Louisiana is where the Mississippi river connects resources and goods to our nation and international markets. Protecting coastal Louisiana is critical to secure ports and roadways necessary for commerce and transportation.





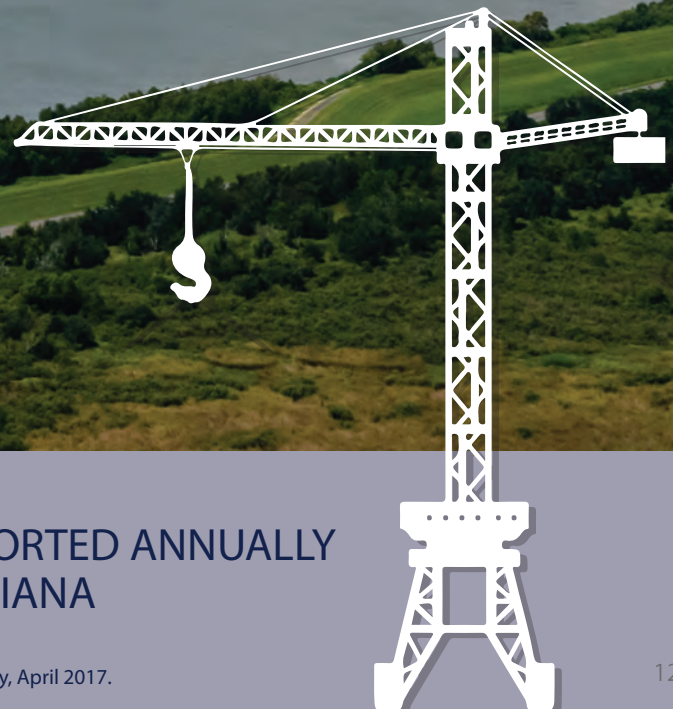
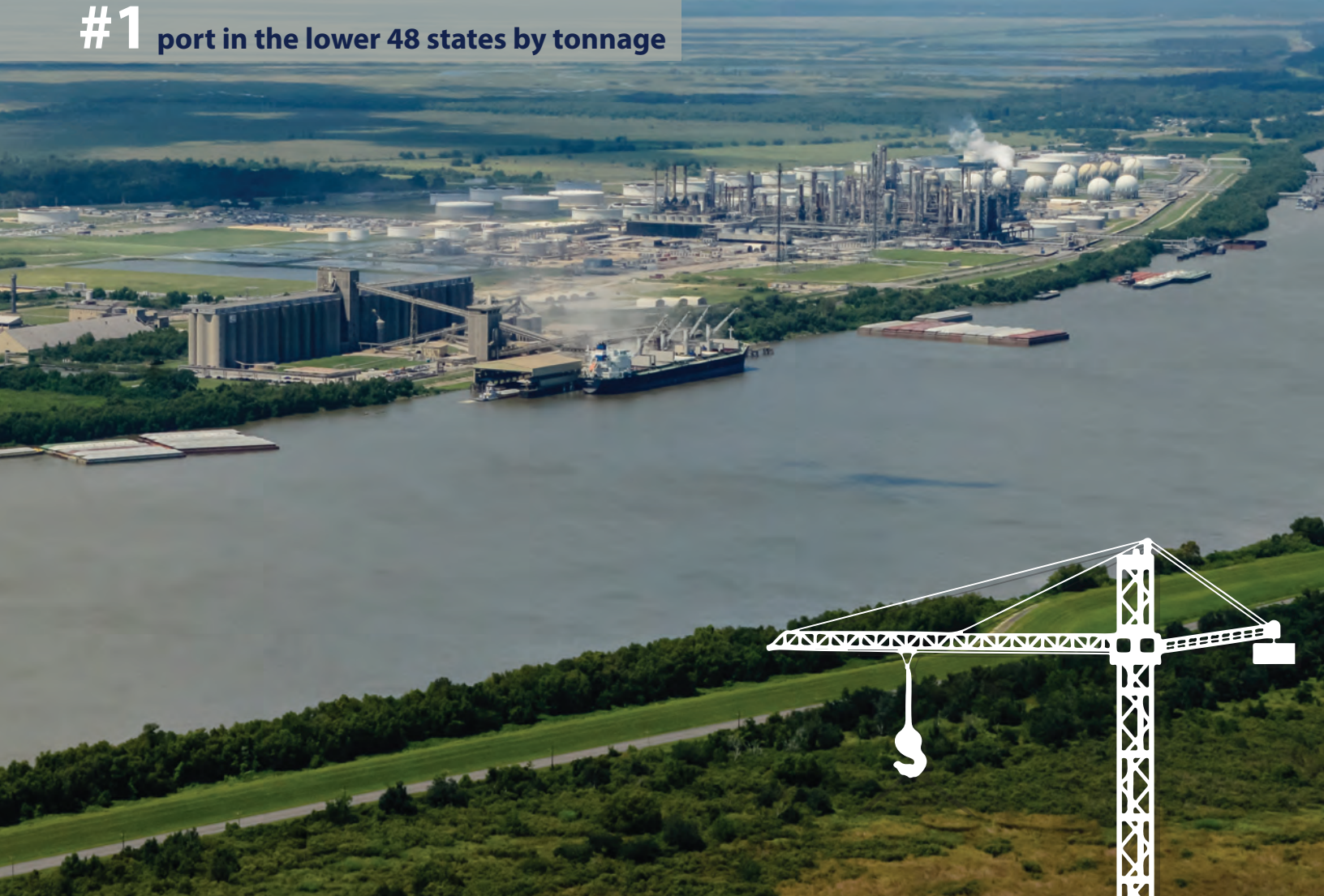
MISSISSIPPI RIVER COMMERCE
Plaquemines Parish, Louisiana

60% of the nation's grain

\$21B annually in agricultural products

5 of America's top 15 ports

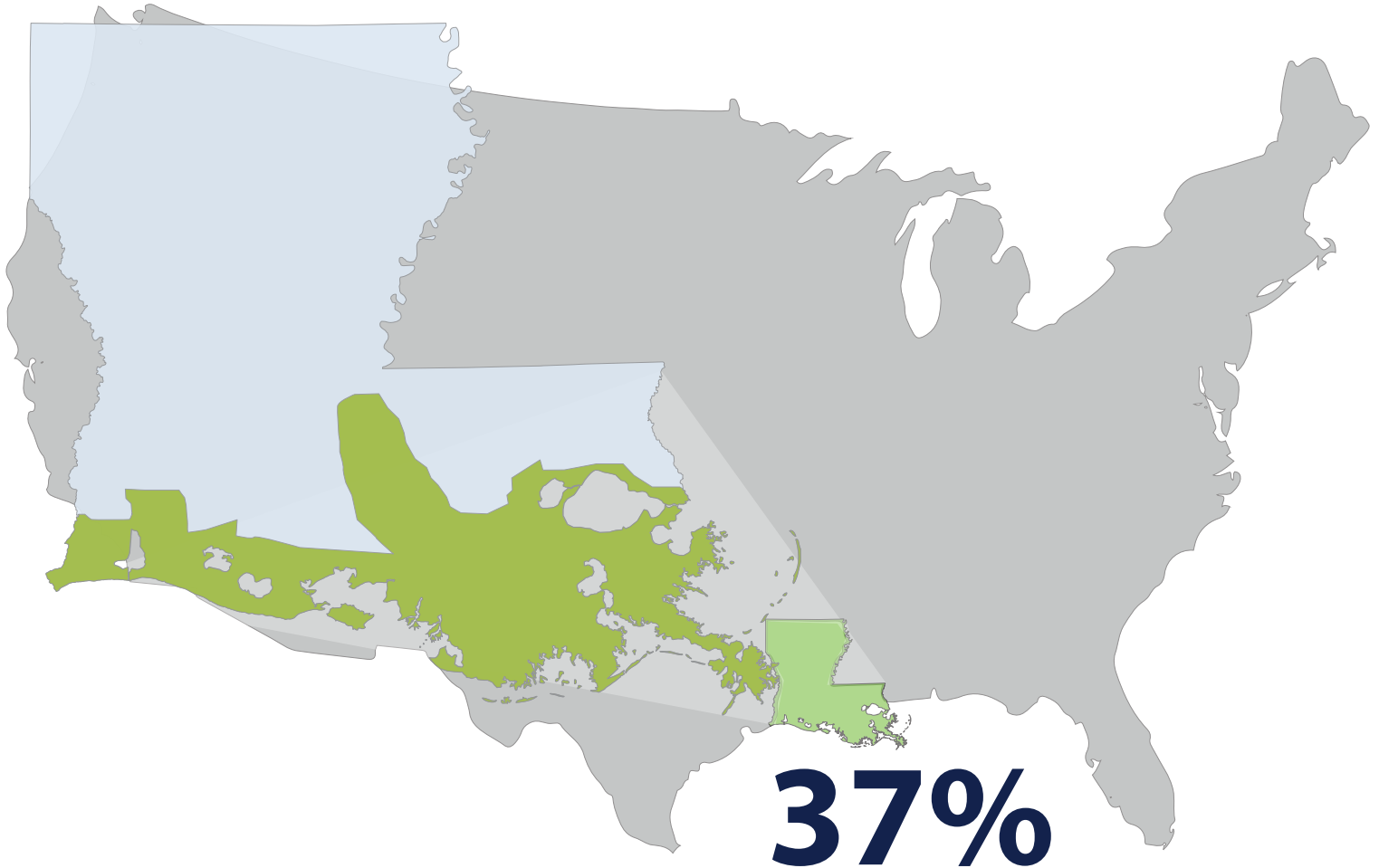
#1 port in the lower 48 states by tonnage



\$120B GOODS EXPORTED ANNUALLY
FROM LOUISIANA

"People and the Landscape" Coastal Protection and Restoration Authority, April 2017.

Coastal Louisiana's productive environment and critical fish and wildlife habitats help feed the nation and provide countless other ecosystem services to those who live, recreate, and make their living in southern Louisiana. Restoring our coastal wetlands is vital to the people, cultures, fish and wildlife that depend on our coastal ecosystem.



37%

of ALL the coastal marshes in the continental U.S.
are in Louisiana.





DAVIS POND WETLANDS
St. Charles Parish, Louisiana

75% of all commercially harvested fish species

20% of all water birds in continental U.S. (overwinter habitat)

#1 commercial fish landings by weight in the lower 48 states

21% of all commercial fisheries' landings

36% of all SHRIMP harvested in continental U.S.

36% of all OYSTERS harvested in continental U.S.

33% of all FIN FISH harvested in continental U.S.

20% of all CRABS harvested in continental U.S.

ASSET VALUE OF THE
MISSISSIPPI DELTA:

\$1.3T

"People and the Landscape" Coastal Protection and Restoration Authority, April 2017.



Southwest Coastal Study



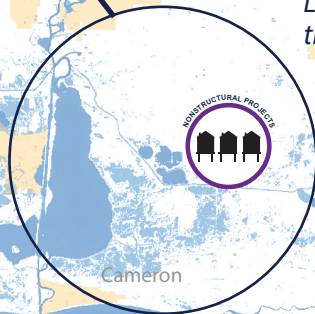
"Southwest Louisiana is home to incredible economic growth and investment. Thanks to the collaboration between local leaders, state officials, and the Corps, this federally-led project properly reflects both the ecosystem and economic needs of our region and we are glad to see CPRA and the Corps moving it forward."

**-Laurie Cormier, Coastal Zone Administrator
Calcasieu Parish**

Bayou Chene Floodgate

"Backwater flooding prevented by this project will not only provide protection for St. Mary Parish but will also provide benefits to Terrebonne, St. Martin, Assumption, Lafourche, and Iberville. It is no understatement to say that this project has been my number one priority."

**-Bret Allain, Senator
District 21**



Morganza to the Gulf

"The Morganza to the Gulf of Mexico Hurricane Protection System is absolutely critical to the sustainability and growth of Terrebonne and Lafourche Parishes. We have been extremely successful in building out segments of this project thanks to local and state investments. The next step is for the federal government to also recognize the significance of this project with investments of their own."

**-Reggie Dupre, Jr., Executive Director
Terrebonne Levee and Conservation District**



"Flood protection is one of the best investments we can make as a state. These projects not only help us to avoid economic damages but also provide the assurances and continuity necessary for economic growth."

**-Norbert N. "Norby" Chabert, Senator
District 20**

West Shore Lake Pontchartrain

"For more than 40 years, St. John the Baptist Parish residents have waited patiently for flood protection. Once this project is completed, thousands of residents and millions of dollars of residential and commercial property will be protected and the community will be better prepared for hurricane season."

**-Natalie Robottom, Parish President
St. John the Baptist Parish**

St. Tammany Flood Control

"The residents of St. Tammany Parish are well aware of the dangers and damages that hurricanes can bring to our region. Through this work we will identify solutions to protect vulnerable areas and begin to move viable projects forward."

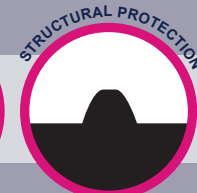
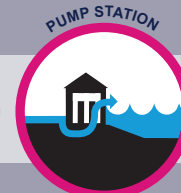
**-Sharon Hewitt, Senator
District 1**

Permanent Canal Closures and Pumps

"When tropical storms hit New Orleans, we need to keep storm surge out, and manage the rainwater that comes in. These three permanent pump stations along the Lakefront will help accomplish both objectives. Together with our internal drainage system and the investments we are making in green infrastructure, these measures are part of the world class flood control infrastructure in the Greater New Orleans area."

**-LaToya Cantrell, Mayor
City of New Orleans**

**17 Projects
\$6.2 Billion
315 Miles of Levee Improvement**



Our Progress

Supporting Local Priorities



RESTORE Parish Matching Program

This program is an excellent model for how the state is partnering at the local level to leverage funding in order to advance projects that otherwise may go unfunded.



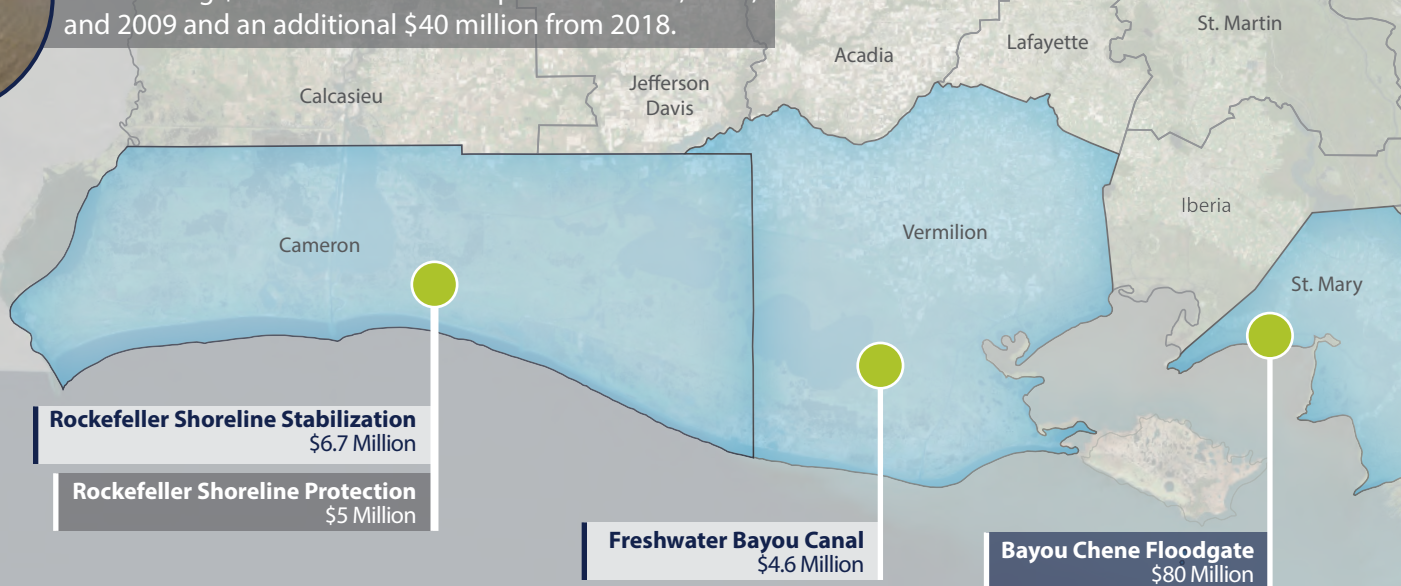
Gulf of Mexico Energy Security Act (GOMESA)

Federal oil and gas lease revenue sharing provides annual funding to Louisiana that is constitutionally dedicated for integrated coastal protection.



State Surplus

Reallocating \$19 million of state surplus from 2007, 2008, and 2009 and an additional \$40 million from 2018.



Coastwide Restoration Partnerships
\$1 Million

"With this additional funding in hand, parishes and levee districts can move forward with eligible projects sooner rather than later, and for all of us, time is a priority."

**-Dwayne Bourgeois, Executive Director
North Lafourche Levee District**



1 Program
\$1 Million
Coastwide



34 Projects
\$294 Million
14 Parishes





Spanish Pass

Beneficially used material from the routine operation and maintenance dredging of the Mississippi River restored 80 acres of historic ridge and marsh at Spanish Pass in Plaquemines Parish in FY18. Another Spanish Pass project currently in design will restore 120 acres of ridge and create or nourish 1,100 acres of marsh by dredging sediment from the Mississippi River and Gulf of Mexico. This project, the Barataria Basin Ridge and Marsh Creation Spanish Pass Increment, is one of five large-scale restoration projects that will work together to benefit more than 6,500 acres of marsh throughout the Barataria Basin in Plaquemines Parish.



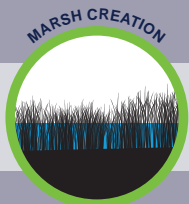
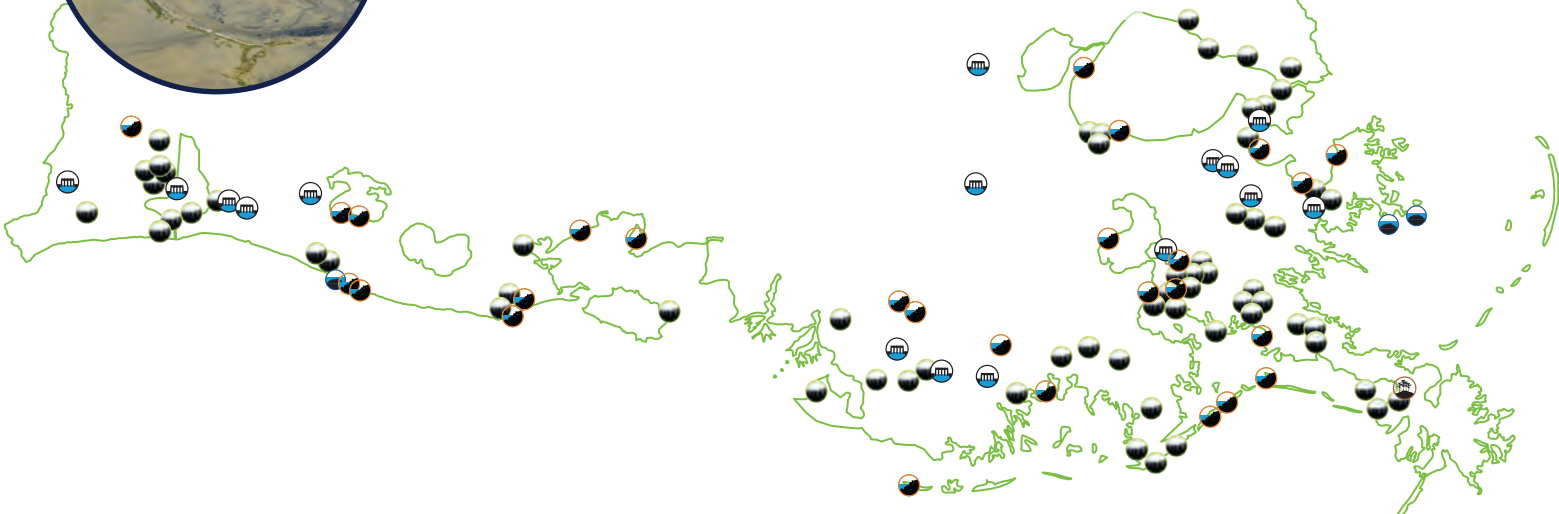
Oyster Bayou

This project created 836 acres of marsh in what was open water and degraded saline marsh southwest of Oyster Lake in Cameron Parish using sediment from the Gulf of Mexico. Approximately 9,000 linear feet of earthen terraces were also constructed to reduce wind and wave-driven erosion. Oyster Bayou Marsh Creation works together with and is located just inland of another successful CPRA project completed in FY15, the Cameron Parish Shoreline Barrier Headland project. This \$45.8 million project re-established 8.7 miles of dune and beachhead from the western Calcasieu River Jetty to the Holly Beach/Constance Beach breakwater field.



Bayou Bonfouca

This project created and nourished approximately 886 acres of marsh adjacent to Bayou Bonfouca in St. Tammany Parish using 3.6 million cubic yards of sediment dredged from Lake Pontchartrain to restore interior marsh and stabilize the Lake Pontchartrain shoreline.



76 Restoration Projects
\$1.9 Billion
46,058 Acres Benefited



GRAND LIARD MARSH AND RIDGE RESTORATION
Plaquemines Parish, Louisiana



***" Large-scale restoration has been the goal all along.
When you improve the system on this scale, the benefits are
ecological and economic. "***

***-Karen Gautreaux, Director of Government Relations
The Nature Conservancy***

Our Progress

Restoration: Barrier Islands



13 Barrier Island projects
\$757 Million
60 Miles Restored



LOUISIANAS BARRIER ISLAND RESTORATION
Southeast Louisiana

Grand Isle

West Grand Terre

East Grand Terre

Chenier Ronquille

Chaland Headland

Bay Joe Wise

Scofield Island

\$60 Million
2.4 Miles of Coast
510 Acres Restored

Pelican Island

Shell Islands

\$126 Million
4 Miles of Coast
897 Acres Restored

"More than our first line of defense, these islands also provide critical habitat, delineate the Gulf from our estuaries, and play a role in salinity management, tidal ranges, and sediment transport."

-Gordy Dove, President
Terrebonne Parish





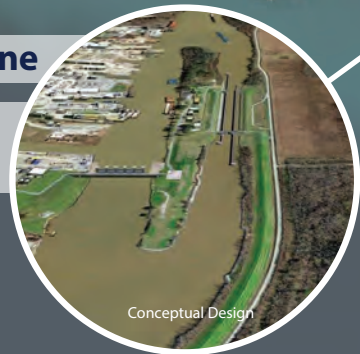
Calcasieu Shipping Channel Salinity Control Measures

\$260 Million
8,000 Acres Benefited



Increase Atchafalaya flow to Terrebonne

\$415 Million
17,000 Acres Benefited



"These lynchpin projects are exactly what's needed to change the trajectory of our coast."

**-King Milling, Chairman
Governor's Advisory Commission**



River Reintroduction into Maurepas Swamp

\$200 Million
45,000 Acres Benefited



Mid-Barataria and Mid-Breton Sediment Diversions

\$2 Billion
45,000 Acres Benefited

These projected land building estimates are taken from the 2017 Coastal Master Plan and are updated continuously during the design and permitting phases due to changing environmental conditions and updated model parameters.



Houma Navigation Canal Lock

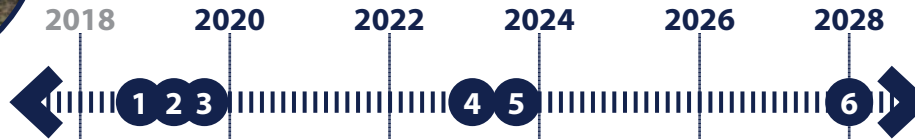
\$360 Million
15,000 Acres Benefited



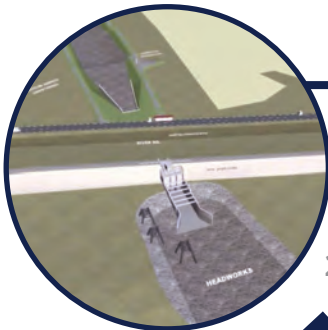


Increase Atchafalaya Flow to Terrebonne

The Increase Atchafalaya Flow to Terrebonne project includes dredging of the GIWW (Gulf Intracoastal Waterway) east of the Atchafalaya and installation of a bypass structure at the Bayou Boeuf Lock (at Morgan City) to increase freshwater, sediment and nutrients from the Atchafalaya River to Terrebonne marshes.



- 1 COMPLETE MODELING
- 2 15% DESIGN PLAN SELECTION CONFIRMATION
- 3 PROCEED TO 30% DESIGN
- 4 COMPLETE E&D
- 5 CONSTRUCTION BEGIN
- 6 CONSTRUCTION COMPLETE



River Reintroduction into Maurepas Swamp

The River Reintroduction Into Maurepas Swamp project is located in St. John the Baptist, St. James, and Ascension Parishes, Louisiana. The project consists of a gated diversion structure at Mississippi River Mile 144.2 in Reserve, La. From the Mississippi River water will travel north through approximately 5 miles of conveyance channel crossing U.S. 61 and Interstate 10 to the benefit area of 45,000 acres.



- 1 RESTORE FUNDING RECEIVED
- 2 RESUME FINAL E&D
- 3 COMPLETE E&D
- 4 CONSTRUCTION BEGIN
- 5 CONSTRUCTION COMPLETE

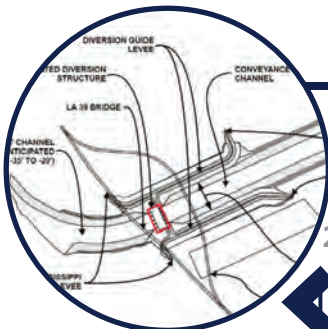


Mid-Barataria Sediment Diversion

The Mid-Barataria Sediment Diversion structure will be located in Plaquemines Parish, LA, along the west bank of the Mississippi River, just north of the town of Ironton and south of the Phillips 66 Alliance Refinery near Mississippi River Mile 61.

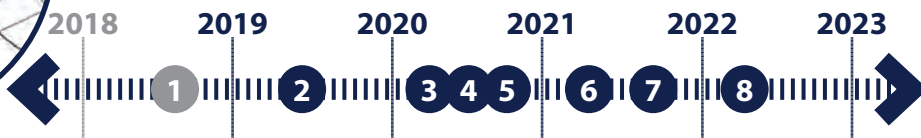


- 1 START EIS
- 2 PUBLIC SCOPING MEETINGS
- 3 DRAFT EIS
- 4 PUBLIC COMMENT PERIOD ON DRAFT EIS
- 5 FINAL EIS
- 6 PUBLIC REVIEW ON FINAL EIS
- 7 RECORD OF DECISION
- 8 START CONSTRUCTION



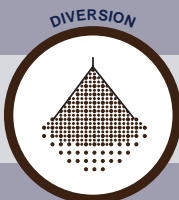
Mid-Breton Sediment Diversion

The Mid-Breton Sediment Diversion structure will be located in Plaquemines Parish, LA north of the Mid-Barataria location on the east bank of the Mississippi River, near Wills Point approximately at Mississippi River Mile 69.



- 1 START EIS
- 2 PUBLIC SCOPING MEETINGS
- 3 DRAFT EIS
- 4 PUBLIC COMMENT PERIOD ON DRAFT EIS
- 5 FINAL EIS
- 6 PUBLIC REVIEW ON FINAL EIS
- 7 RECORD OF DECISION
- 8 START CONSTRUCTION

0 COMPLETED 0 SCHEDULED



4 Diversion projects (In Progress)
\$2.8 Billion
107,000 Acres Benefitted



FORT SAINT PHILIP MARSH
Plaquemines Parish



"When we talk dredging projects, we're talking thousands of acres. When we talk diversions and the potential power and the magnitude of the river, it's tens of thousands of acres."



-Bren Haase, Executive Director
Coastal Protection and Restoration Authority



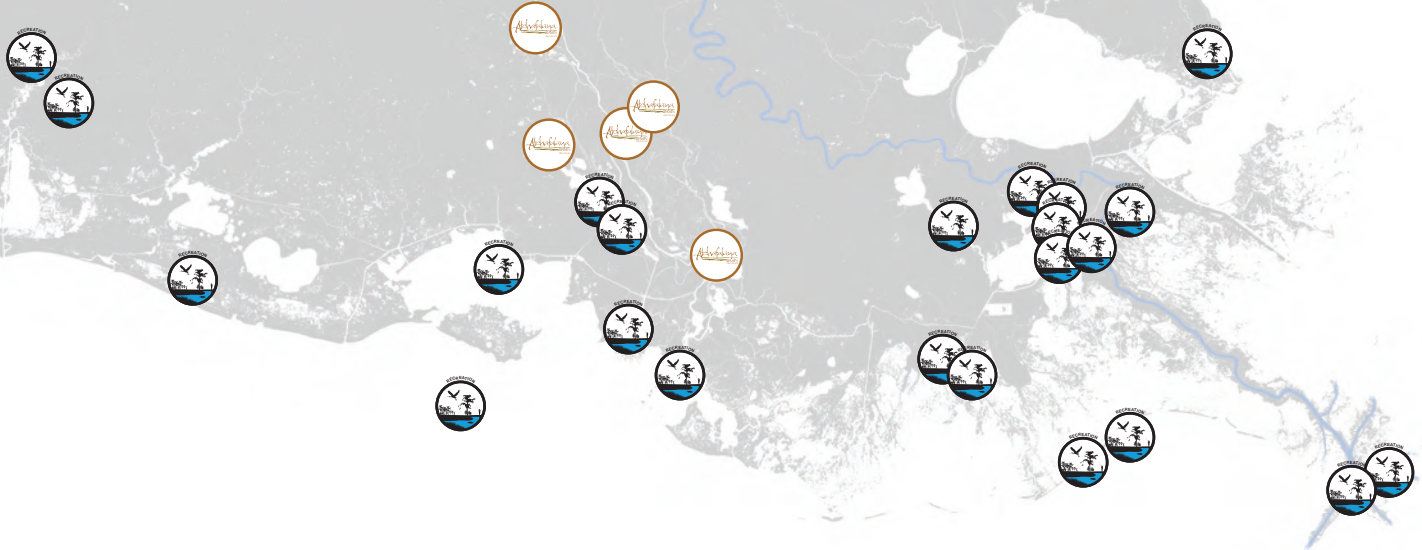
Atchafalaya Basin Program

The Atchafalaya Basin Program was put in place to develop, implement, and manage a comprehensive state master plan for the Atchafalaya Basin Floodway System, Louisiana Project. CPRA is committed to continue the important work benefitting the Basin while tying this Program into the state's larger coastal efforts and to provide a funding vehicle for work within the Atchafalaya Basin, including access, recreating, environmental easements, and water management. This Program contains an Annual Plan that includes descriptions of currently planned and future projects as well as an overview of the Advisory groups and other oversight.



NRDA Recreational Use Projects

CPRA allocated the entire \$60 million Deepwater Horizon Natural Resource Damage Assessment settlement funds to provide and enhance recreational opportunities. 23 recreational use projects were announced in nine coastal parishes and include fishing piers, boating access improvements, upgrades at educational facilities to promote conservation, and the enhancement of 11 existing artificial reefs across the coast.





ATCHAFALAYA BASIN SWAMP



"This is about recreation, enhancing the opportunities to enjoy the natural bounty of our coast and all it offers."



-Jack Montoucet, Secretary
Louisiana Department of Wildlife and Fisheries

STATE AGENCY OUTREACH AND COLLABORATION

Highlighting the effects of current and future coastal storm surge-based flooding on three key service areas:



EDUCATION

Potential impacts faced by PreK-12 public schools, child care centers, and the children supported by these facilities.



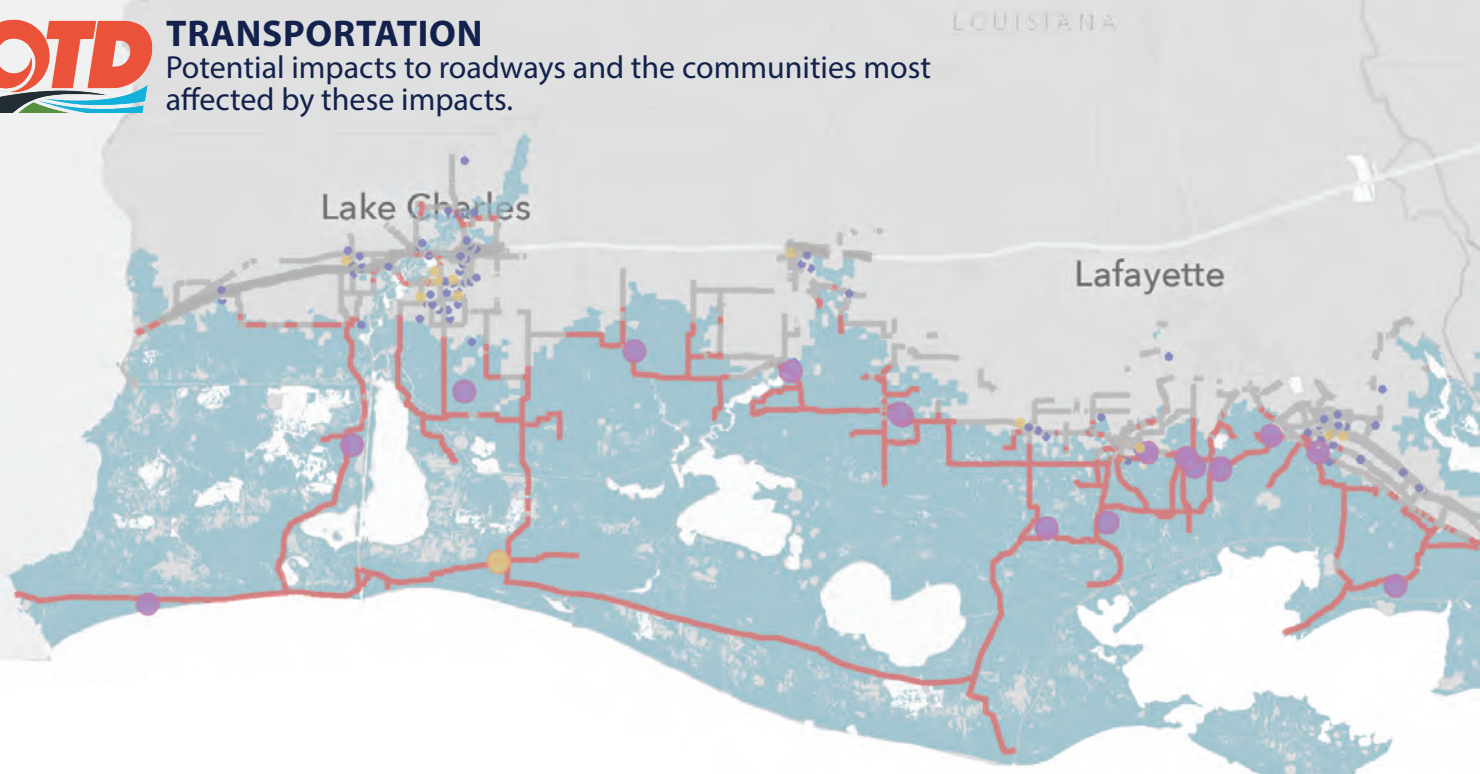
HEALTH

Potential impacts faced by hospitals as well as Medicaid health care providers and recipients.





TRANSPORTATION


Potential impacts to roadways and the communities most affected by these impacts.




COASTAL FLOOD RISK


 1-16+ feet of coastal flooding


 Roadways at risk of coastal flooding

 Roadways at higher risk of coastal flooding

 Hospitals at risk of coastal flooding

 Hospitals at higher risk of coastal flooding

 Schools at risk of coastal flooding

 Schools at higher risk of coastal flooding





LOUISIANA WATERSHED INITIATIVE

Gov. John Bel Edwards established the Council on Watershed Management in 2018 through Executive Order JBE18-16 to improve Louisiana's sustainability and resilience by managing future flood risk through watershed-based solutions. The Council on Watershed Management serves as the coordinated, interagency structure at the state level for watershed-based flood risk reduction and in August 2018, the Louisiana Watershed Initiative was launched to establish a comprehensive watershed management program.



LOUISIANA
WATERSHED
INITIATIVE

Baton Rouge



I-10

Slidell

"It is imperative that we as a state look beyond disaster preparation and response and start finding new ways to increase our resilience by instituting a more intentional, collaborative, and proactive approach to the coastal crisis."

**-John Bel Edwards, Governor
State of Louisiana**



Project ID	Project Name	Project Type ¹	Parish	Program	Total Project Estimate
FY 2019 (<i>Projects in italics are projected to complete construction</i>)					
TE-0072	Lost Lake Marsh Creation and Hydrologic Restoration	MC	Terrebonne	CWPPRA	\$37,119,324
TE-0100	NRDA Caillou Lake Headlands	BH	Terrebonne	NRDA	\$118,340,766
TE-0116	St. Mary Backwater Flooding	HP	St. Mary	State	\$10,394,609
<i>CS-0059</i>	<i>Oyster Bayou Marsh Creation and Terracing</i>	<i>MC</i>	<i>Cameron</i>	<i>CWPPRA</i>	<i>\$30,866,713</i>
<i>TV-0063</i>	<i>Cole's Bayou Marsh Restoration</i>	<i>MC</i>	<i>Vermilion</i>	<i>CWPPRA</i>	<i>\$24,930,426</i>
<i>BA-0085</i>	<i>St. Charles West Bank Hurricane Protection Levee</i>	<i>HP</i>	<i>St. Charles</i>	<i>State</i>	<i>\$14,500,000</i>
<i>PO-0170</i>	<i>Violet Canal North Levee Alignment</i>	<i>HP</i>	<i>St. Bernard</i>	<i>State</i>	<i>\$4,000,000</i>
FY 2018					
BA-0034-2	Hydrologic Restoration and Vegetative Planting in the Des Allemands Swamp	HR	Lafourche, St. James	CWPPRA	\$6,470,448
BA-0111	Shell Island West- NRDA	BH	Plaquemines	NRDA	\$78,486,655
BA-0169	Kraemer Bayou Boeuf Levee Lift	HP	Lafourche	State	\$1,200,000
BA-0191	Spanish Pass Ridge and Marsh Restoration	RR	Plaquemines	WRDA	\$18,111,516
BS-0016	South Lake Lery Shoreline and Marsh Restoration	MC	Plaquemines	CWPPRA	\$33,716,987
ME-0021	Grand Lake Shoreline Protection	SP	Cameron	CWPPRA	\$11,305,616
PO-0060	Permanent Canal Closures and Pump Stations	HP	Jefferson, Orleans	HSDRRS	\$614,800,000
PO-0104	Bayou Bonfouca Marsh Creation	MC	St. Tammany	CWPPRA	\$29,273,984
TE-0063	Falgout Canal Road Levee	HP	Terrebonne	CDBG	\$24,803,191
TE-0065-SP	Larose to Golden Meadow - Larose Sheetpile	HP	Lafourche	State	\$5,205,702
TV-0055	Morgan City/ St. Mary Flood Protection	HP	St. Mary	State	\$10,900,000
FY 2017					
BA-0027-C	Barataria Basin Landbridge Shoreline Portection, Phase 3	SP	Jefferson, Lafourche	CWPPRA	\$26,351,988
BA-0043-EB	Mississippi River Long Distance Sediment Pipeline	MC	Jefferson, Plaquemines	CIAP	\$66,310,461
BA-0048	Bayou Dupont Marsh and Ridge Creation	MC	Jefferson	CWPPRA	\$38,324,646
BA-0143	Caminada Headland Beach and Dune Restoration INCR2	BH	Jefferson, Lafourche	NFWF	\$147,063,587
BA-0161	Mississippi River Water Reintroduction into Bayou Lafourche - BLFWD	FD	Ascension, Assumption	CIAP	\$26,691,418
BA-0164	Bayou Dupont Sediment Delivery - Marsh Creation #3 and Terracing	MC	Jefferson, Plaquemines	CWPPRA	\$18,733,494
MR-0016-SSPM	Mississippi River Delta Strategic Planning - SSPM Expansion	OT	Coastwide	CIAP	\$13,520,000
PO-0063	Lake Pontchartrain & Vicinity	HP	Plaquemines, St. Bernard, St. Charles	HSDRRS	\$3,852,000,000
PO-0142	Hydrologic Restoration of the Amite River Diversion Canal	HR	Livingston	State	\$3,592,100
PO-0146	LPV Mitigation Project, Manchac WMA Marsh Creation	SP	St. John the Baptist	HSDRRS	\$40,989,172
PO-0148	Living Shoreline	OR	Jefferson, St. Bernard	State	\$14,300,000
Notes					
1. See page 62 for list of acronyms.					



Project ID	Project Name	Project Type ¹	Parish	Program	Total Project Estimate
FY 2016					
BA-0042	Lake Hermitage Marsh Creation	MC	Plaquemines	CWPPRA	\$44,050,491
BA-0068	Grand Liard Marsh and Ridge Restoration	MC	Plaquemines	CWPPRA	\$42,804,677
BA-0168	Grand Isle-Fifi Island Breakwaters	SP	Jefferson	State	\$6,000,000
LA-0016	Non-Rock Alternatives to Shoreline Protection Demonstration	SP	Iberia	CWPPRA	\$7,358,699
PO-0043	East LaBranche Shoreline Protection	SP	St. Charles	CIAP	\$3,753,816
PO-0073	Central Wetlands Demonstration	HR	Orleans	CIAP	\$3,561,832
PO-0073-3	Central Wetlands Demonstration Expansion	MC	Orleans	CIAP	\$4,500,000
TV-0031	Acadiana Regional Airport Street Improvements - Admiral Doyle Drive	IN	Iberia	CIAP	\$1,114,972
TV-0052-2	Franklin Floodgate Sinkable Barge and Pump Station (Phase 2)	HP	St. Mary	CDBG	\$2,481,000
TV-0076	Surplus Freshwater Bayou Bank Stabilization	SP	Vermilion	State	\$1,300,000
FY 2015					
AT-0005	Morgan City Industrial Road	IN	St. Mary	CIAP	\$1,247,000
BA-0045	Caminada Headland Beach and Dune Restoration	BH	Lafourche	CIAP	\$70,679,580
BA-0074	Storm-Proofing of Interior Pumping Stations	HP	Jefferson, Orleans	HSDRRS	\$340,000,000
BA-0084	Bayou Lafourche Fresh Water District - Walter S. Lemann Memorial Pump Station Renovations	OT	Ascension	CDBG	\$3,194,355
BA-0141	NRDA Lake Hermitage Marsh Creation INCR2	MC	Plaquemines	NRDA	\$7,222,162
CS-0028-4-5	Sabine Refuge Marsh Creation, Cycles 4 and 5	MC	Cameron	CWPPRA	\$11,838,649
CS-0033	Cameron Parish Shoreline Restoration	BH	Cameron	State	\$45,800,000
ME-0025-SF	Marsh Creation Near Freshwater Bayou	MC	Vermilion	State	\$5,700,000
PO-0072	Biloxi Marsh	SP	St. Bernard	State	\$22,000,000
PO-0073-1	Central Wetlands - Riverbend	HR	St. Bernard	CIAP	\$2,000,000
PO-0087	Madisonville Bulkhead Project	HP	St. Tammany	CDBG	\$2,144,266
PO-0145	LPV Task Force Guardian Mitigation-Bayou Sauvage	HR	Orleans	HSDRRS	\$1,960,497
TE-0065	Larose to Golden Meadow - Flood Protection	HP	Lafourche	State	\$19,820,000
TV-0011-B-EB	Freshwater Bayou Bank Stabilization (CIAP)	SP	Vermilion	CIAP	\$13,568,804
FY 2014					
BA-0040	Riverine Sand Mining/Scofield Island Restoration	BH	Plaquemines	BERM	\$60,150,000
BA-0058	Fringe Marsh Repair	MC	Plaquemines	CIAP	\$8,756,606
BA-0110	Shell Island East-BERM	BH	Plaquemines	BERM	\$47,679,580
BA-0162-SPER	Shoreline Protection Emergency Restoration	SP	Plaquemines	CIAP	\$355,780
LA-0009	Sediment Containment System for Marsh Creation Demonstration	OT	St. Charles	CWPPRA	\$2,323,073
PO-0055	Lake Pontchartrain & Vicinity, IHNC Surge Barrier, LPV-IHNC-02	HP	Orleans, St. Bernard	HSDRRS	\$1,134,000,000
TE-0043	GIWW Bank Restoration of Critical Areas in Terrebonne	SP	Terrebonne	CWPPRA	\$13,022,245
TE-0111	Valentine to Larose	HP	Lafourche	State	\$1,000,000
TV-0052-1	Franklin Floodgate Sinkable Barge and Pump Station (Phase 1)	HP	St. Mary	CDBG	\$6,345,093

Notes

1. See page 62 for list of acronyms.

Project ID	Project Name	Project Type ¹	Parish	Program	Total Project Estimate
FY 2013					
BA-0038	Pelican Island and Pass La Mer to Chaland Pass Restoration	BH	Plaquemines	CWPPRA	\$52,894,031
PO-0036-EB	Orleans Land Bridge SP & Marsh Creation	SP	Orleans	CIAP	\$30,420,000
PO-0064	Lake Pontchartrain & Vicinity, Seabrook LPV-IHNC-01	HP	Orleans	HSDRRS	\$157,156,414
TE-0048	Raccoon Island Shoreline Protection/Marsh Creation Project	SP	Terrebonne	CWPPRA	\$21,364,793
TE-0052	West Belle Pass Barrier Headland Restoration	BH	Lafourche	CWPPRA	\$34,219,212
TV-0028	Port of Iberia Bridge Replacement - Port Road over Commercial Canal	IN	Iberia	CIAP	\$625,792
TV-0030	Port of Iberia Bridge Replacement - David Dubois Road over Commercial Canal	IN	Iberia	CIAP	\$1,058,013
FY 2012					
BA-0020	Jonathan Davis Wetland Protection	SP	Jefferson	CWPPRA	\$30,136,616
BA-0025-SF	Bayou Lafourche Freshwater Introduction	FD	Lafourche	Surplus	\$20,000,000
BA-0041	South Shore of the Pen Shoreline Protection and Marsh Creation	SP	Jefferson	CWPPRA	\$17,475,047
LA-0008	Bioengineered Oyster Reef	OR	Cameron	CWPPRA	\$1,510,433
LA-0012-1	CIAP Performance Evaluation – Rockefeller Refuge Performance Monitoring	OT	Cameron, Vermilion	CIAP	\$404,637
TE-0034	Penchant Basin Natural Resources Plan, Increment 1	HR	Terrebonne	CWPPRA	\$18,878,814
TE-0039	South Lake Decade Freshwater Introduction	HR	Terrebonne	CWPPRA	\$6,473,826
TE-0053	Enhancement of Barrier Island Vegetation Demonstration	OT	Terrebonne	CWPPRA	\$2,169,264
FY 2011					
BA-0030	East Grand Terre	BH	Plaquemines	CIAP/Surplus	\$25,426,247
BA-0055	LA-1 Improvements- Fourchon to Leeville Bridge (CIAP)	IN	Lafourche	CIAP	\$33,000,000
CS-0004-A	Cameron-Creole Levee Maintenance	HR	Cameron	CWPPRA	\$13,850,000
CS-0028-2	Sabine Refuge Marsh Creation, Cycle 2	MC	Cameron	CWPPRA	\$17,750,000
CS-0034	Black Lake Supplemental Beneficial Use Disposal Area	MC	Cameron	State	\$21,034,329
LA-0163	Emergency Barrier Berms	OT	St. Bernard,	Emergency	\$251,000,000
PO-0061	St. Bernard Parish 40 Arpent Levee Repairs	HP	St. Bernard	State	\$5,000,000
TE-0043-EB	GIWW Bank Restoration of Critical Areas in Terrebonne	SP	Terrebonne	CIAP	\$7,274,676
TE-0082	Lost Lake Vegetation Project	OT	Terrebonne	Federal Grant	\$161,000
TV-0021	East Marsh Island Marsh Creation	MC	Iberia	CWPPRA	\$21,215,936

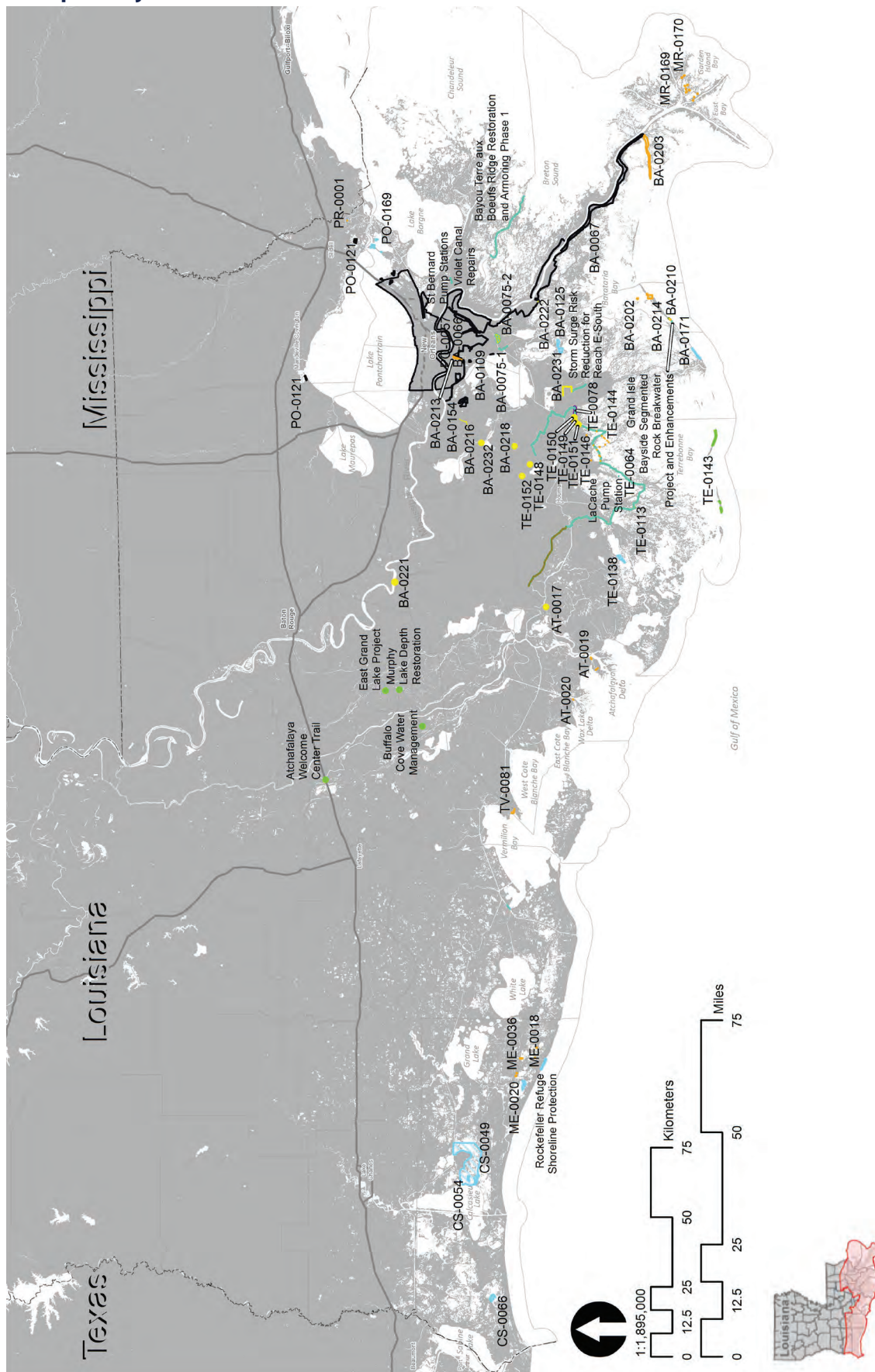
Notes

1. See page 62 for list of acronyms.



Project ID	Project Name	Project Type ¹	Parish	Program	Total Project Estimate
FY 2010					
BA-0036	Dedicated Dredging on the Barataria Land Bridge	MC	Jefferson	State Only/ CWPPRA/ CIAP	\$36,281,893
BA-0039	Mississippi River Sediment Delivery System - Bayou Dupont	MC	Jefferson, Plaquemines	CWPPRA/ ARRA	\$26,797,363
BA-0055	LA 1 Improvements - Fourchon to Leeville Bridge (CIAP)	IN	Jefferson	State	\$18,000,000
BA-0152	East Harvey Canal Interim Hurricane Protection - Phase 1	HP	Jefferson	State	\$4,000,000
CS-0029	Black Bayou Culverts Hydrologic Restoration	HR	Cameron	CWPPRA	\$6,641,125
CS-0032	East Sabine Lake Hydrologic Restoration	HR	Cameron	CWPPRA	\$6,864,413
CS-0047	Trosclair Road	IN	Cameron	CIAP (Parish)	\$400,000
LA-0021	Beneficial Use 2008 - Sabine Cycle	MC	Cameron	State	\$6,636,312
ME-0018-EB	Rockefeller Refuge Gulf Shoreline Stabilization Demonstration Project	SP	Cameron	CIAP	\$8,500,000
ME-0021-EB	Grand Lake Shoreline Protection	SP	Cameron	CIAP	\$9,912,919
PO-0038-SF	MRGO Closure Structure	HR	St. Bernard	3rd Supplemental State	\$14,116,500
TE-0044	North Lake Mechant Landbridge Restoration	SP	Terrebonne	CWPPRA	\$40,254,428
TE-0050	Whiskey Island Back Barrier Marsh Creation	BH	Terrebonne	CWPPRA	\$26,831,855
FY 2009					
BA-0015-X2	Lake Salvador Shoreline Protection (Phase III)	SP	St. Charles	CIAP	\$3,452,189
BA-0027	Barataria Basin Landbridge Shoreline Protection, Phase 1 & 2	SP	Jefferson	CWPPRA	\$32,538,623
BA-0035	Pass Chaland to Grand Bayou Pass Barrier Shoreline Restoration	BH	Plaquemines	CWPPRA	\$37,023,827
PO-0030	Lake Borgne Shoreline Protection	SP	St. Bernard	CWPPRA	\$26,793,123
PO-0033	Goose Point/Point Platte Marsh Creation	MC	St. Tammany	CWPPRA	\$22,117,777
TE-0046	West Lake Boudreaux Shoreline Protection & Marsh Creation	SP	Terrebonne	CWPPRA	\$19,143,813
FY 2008					
LA-0001-E	Dedicated Dredging-Grand Bayou Blue	MC	Lafourche	LA Dedicated Dredging	\$1,831,534
LA-0001-F	Dedicated Dredging- Point au Fer	MC	Terrebonne	LA Dedicated Dredging	\$2,469,250
TE-0037	New Cut Dune & Marsh Restoration	BH	Terrebonne	CWPPRA	\$12,869,325
TE-0045	Terrebonne Bay Shoreline Protection Demo	SP	Terrebonne	CWPPRA	\$3,968,768
Notes					
1. See page 62 for list of acronyms.					

► **Map 1: Projects Scheduled to be in Construction in FY 2020**





► **Table 1: Projects Scheduled to be in Construction in FY 2020**

Project ID	Project Name	Construction Start Date ¹	Construction Finish Date	Total Project Estimate
CWPPRA Phase II Projects				
BA-0125	Northwest Turtle Bay Marsh Creation	14-Dec-18	25-Jun-20	\$33,664,670
BA-0171	Caminada Headlands Back Barrier Marsh Creation	10-Oct-19	14-Oct-20	\$32,284,094
CS-0049	Cameron-Creole Freshwater Introduction	17-May-19	23-Jul-20	\$26,776,735
CS-0054	Cameron-Creole Watershed Grand Bayou Marsh Creation	11-May-17	15-Dec-19	\$28,707,688
CS-0066	Cameron Meadows Marsh Creation and Terracing	15-Jan-20	15-Apr-21	\$35,391,546
ME-0018	Rockefeller Refuge Gulf Shoreline Stabilization	25-May-17	27-Nov-19	\$35,426,478
ME-0020	South Grand Chenier Marsh Creation Project	22-Nov-19	8-Sep-20	\$23,873,346
PO-0169	New Orleans Landbridge Shoreline Stabilization and Marsh Creation	07-Sep-19	7-Sep-21	\$17,778,172
TE-0138	Bayou DeCade Ridge and Marsh Creation	13-Jan-20	15-Jan-21	\$34,400,000
WRDA Projects				
BA-0210	Grand Isle & Vicinity Breakwater	13-May-19	9-Jan-20	\$15,000,000
State-Only Projects				
BA-0075-1	Jean Lafitte Tidal Protection	19-Feb-14	16-Nov-20	\$33,582,639
BA-0075-2	Rosethorn Tidal Protection	30-Aug-19	8-Jun-21	\$24,930,787
TE-0064	Morganza to the Gulf	30-Nov-05	30-Jun-21	\$177,003,835
N/A	Grand Isle Bayside Segmented Rock Breakwater Project and Habitat	In Development	In Development	\$6,500,000
N/A	St. Bernard Pump Station Repairs	In Development	In Development	\$4,000,000
N/A	Violet Canal Repairs	In Development	In Development	\$1,000,000
N/A	LaCache Pump Station	In Development	In Development	\$2,000,000
N/A	Storm Surge Risk Reduction for Reach E-South	In Development	In Development	\$500,000
N/A	Bayou Terre aux Boeufs Ridge Restoration and Armoring Phase 1	In Development	In Development	\$2,000,000
N/A	Rockefeller Refuge Shoreline Protection	In Development	In Development	\$5,000,000
N/A	Murphy Lake Depth Restoration	In Development	In Development	\$300,000
N/A	Buffalo Cove Water Management	In Development	In Development	\$300,000
N/A	Atchafalaya Welcome Center Trail	In Development	In Development	\$500,000
N/A	East Grand Lake Upper Region	In Development	In Development	\$3,589,120
CDBG Projects				
TE-0078	Cut-Off/Pointe Aux Chene Levee	25-Aug-17	15-Nov-19	\$10,249,101
HSDRRS and Other Federal Hurricane Protection Projects				
BA-0066	West Bank and Vicinity	27-Mar-07	30-Sep-19	\$4,304,525,784
BA-0067	New Orleans to Venice	23-Nov-11	24-May-24	\$1,301,523,760
BA-0109	HSDRRS Mitigation- WBV ²	27-Feb-15	26-Oct-20	\$126,000,000
BA-0154	Previously Authorized Mitigation WBV ²	04-Aug-14	15-Nov-19	\$11,000,000
PO-0057	SELA- Overall	18-Feb-09	28-Jan-22	\$1,170,974,586
PO-0121	HSDRRS Mitigation- LPV ³	23-Jul-15	12-Oct-20	\$85,000,000
Deepwater Horizon NRDA Projects				
AT-0019	Atchafalaya Delta WMA Boat Access Project	01-Oct-19	31-Aug-20	\$920,450
AT-0020	Atchafalaya Delta WMA Campground Improvements	06-Dec-19	4-Dec-20	\$3,248,000
BA-0202	Queen Bess Island Restoration	22-May-19	13-Mar-20	\$17,500,000
BA-0203	Barataria Basin Ridge and Marsh Creation - Spanish Pass Increment	02-Jan-20	13-May-22	\$124,500,000
BA-0213	Bayou Segnette State Park Improvements	13-Dec-19	30-Jun-20	\$2,126,724
BA-0214	Grand Isle State Park Improvements	30-Sep-19	30-Jun-20	\$6,126,967
ME-0036	Rockefeller Piers and Signage	15-Jan-20	15-Sep-20	\$690,000
MR-0169	Pass a Loutre Crevasses NRDA	13-Dec-19	13-Oct-20	\$1,568,000
MR-0170	Pass a Loutre Campgrounds NRDA	02-Jan-20	31-Dec-20	\$1,624,000
PR-0001	Middle River Pearl River Wildlife Management Area Boat Launch	13-Dec-19	30-Jun-20	\$575,000
TE-0144	Island Road Fishing Piers	03-Jun-19	4-Mar-20	\$3,000,000
TE-0146	Pointe-aux-Chenes WMA Enhancements	01-Aug-19	1-May-20	\$5,000,000
TV-0081	Cypremort Point State Park Improvements	02-Dec-19	31-Jan-21	\$4,477,338
NFWF Projects				
TE-0143	Terrebonne Basin Barrier Island	01-Jul-19	18-May-21	\$150,000,000
RESTORE Projects				
TE-0113	Houma Navigation Canal Lock Complex	03-Oct-19	28-Oct-22	\$357,784,732
GOMESA Projects				
AT-0017	Bayou Chene Floodgate	In Development	In Development	\$80,000,000
BA-0216	Magnolia Ridge Levee Lift and Road	In Development	In Development	\$3,500,000
BA-0218	Levee Improvements for Gheens Community	In Development	In Development	\$1,000,000
BA-0221	Pumping Capacity Improvements Phase 1	In Development	In Development	\$3,500,000
BA-0222	NOV-NF Drainage Canal Relocation	In Development	In Development	\$7,500,000
BA-0231	Storm Surge Risk Reduction for Reach E-North	In Development	In Development	\$2,000,000
BA-0232	Des Allemands FDA Pump Station Rehabilitation	In Development	In Development	\$400,000
TE-0148	40 Arpent Canal Levee- Lockport Co. Canal to Butch Hill Station	In Development	In Development	\$6,550,000
TE-0149	Bayou Lil Bleu Structure	In Development	In Development	\$1,300,000
TE-0150	Reach L	In Development	In Development	\$6,000,000
TE-0151	Grand Bayou Floodgate	In Development	In Development	\$18,500,000
TE-0152	Storm Surge Risk Reduction for US-90 at Bayou Folse	In Development	In Development	\$1,500,000

Notes

1. Construction start date is defined as projected date for advertisement of construction bid notice; actual date of mobilization may vary.
2. Project cost included in total cost for WBV (BA-0066).
3. Project cost included in total cost for LPV (PO-0063).

► Table 2: Projected Three-Year Schedules for Active CWPPRA Projects (FY 2020 - 2022)

Project ID	Project Name	Federal Sponsor	CY 2019		Calendar Yr 2020				Calendar Yr 2021				CY 2022	
			1FQ 2020	2FQ 2020	3FQ 2020	4FQ 2020	1FQ 2021	2FQ 2021	3FQ 2021	4FQ 2021	1FQ 2022	2FQ 2022	3FQ 2022	4FQ 2022
CWPPRA Phase I Projects														
BA-0194	East Leeville Marsh Creation and Nourishment	NOAA	D	D	W	W	W	W	W	W	W	W	W	W
BA-0195	Barataria Bay Rim Marsh Creation and Nourishment	NRCS	D	D	W	W	W	W	W	W	W	W	W	W
CS-0079	Oyster Lake Marsh Creation and Nourishment	NOAA	D	D	W	W	W	W	W	W	W	W	W	W
ME-0031	Freshwater Bayou Marsh Creation (CWPPRA)	NRCS	D	D	W	W	W	W	W	W	W	W	W	W
PO-0133	Labranche Central Marsh Creation	NRCS	D	D	W	W	W	W	W	W	W	W	W	W
TE-0117	Island Road Marsh Creation and Nourishment	NOAA	D	D	W	W	W	W	W	W	W	W	W	W
BA-0206	Northeast Turtle Bay Marsh Creation & Critical Area Shoreline Protection	NRCS	D	D	D	D	D	D	W	W	W	W	W	W
BS-0032	Mid Breton Land Bridge Marsh Creation & Terracing	USFWS	D	D	D	D	D	D	W	W	W	W	W	W
CS-0078	No Name Bayou Marsh Creation & Nourishment	NOAA	D	D	D	D	D	D	W	W	W	W	W	W
CS-0081	Sabine Refuge Marsh Creation Cycles 6 & 7	USFWS	D	D	D	D	D	D	W	W	W	W	W	W
ME-0032	South Grand Chenier Marsh Creation - Baker Tract	NRCS	D	D	D	D	D	D	W	W	W	W	W	W
PO-0173	Fritchie Marsh Creation and Terracing	NOAA	D	D	D	D	D	D	W	W	W	W	W	W
PO-0178	Bayou La Loutre Ridge Restoration and Marsh Creation	NRCS	D	D	D	D	D	D	W	W	W	W	W	W
PO-0179	St. Catherine Island Marsh Creation and Shoreline Protection	USFWS	D	D	D	D	D	D	W	W	W	W	W	W
PO-0181	Bayou Cane Marsh Creation	USFWS	D	D	D	D	D	D	W	W	W	W	W	W
TE-0112	North Catfish Lake Marsh Creation	NRCS	D	D	D	D	D	D	W	W	W	W	W	W
BA-0217	Grand Bayou Ridge and Marsh Creation	NOAA	D	D	D	D	D	D	D	D	D	D	W	W
BS-0037	East Delacroix Marsh Creation and Terracing	NOAA	D	D	D	D	D	D	D	D	D	D	W	W
BS-0038	Breton Landbridge Marsh Creation (West)	NOAA	D	D	D	D	D	D	D	D	D	D	W	W
CS-0085	Long Point Bayou Marsh Creation	EPA	D	D	D	D	D	D	D	D	D	D	W	W
BA-0173	Bayou Grande Cheniere Marsh and Ridge Restoration	USFWS	W	W	W	W	W	W	W	W	W	W	W	W
BA-0193	Caminada Headlands Back Barrier Marsh Creation Increment 2	EPA	W	W	W	W	W	W	W	W	W	W	W	W
BS-0024	Terracing and Marsh Creation South of Big Mar	USFWS	W	W	W	W	W	W	W	W	W	W	W	W
PO-0034	Alligator Bend Marsh Restoration and Shoreline Protection	NRCS	W	W	W	W	W	W	W	W	W	W	W	W
PO-0075	LaBranche East Marsh Creation	NRCS	W	W	W	W	W	W	W	W	W	W	W	W
TE-0134	West Fourchon Marsh Creation	NOAA	W	W	W	W	W	W	W	W	W	W	W	W
TE-0039-CU2	South Lake Decade Freshwater Introduction - CU2 ¹	NRCS												
CWPPRA Phase II Projects														
CS-0054	Cameron-Creole Watershed Grand Bayou Marsh Creation ²	USFWS	C	F										
ME-0018	Rockefeller Refuge Gulf Shoreline Stabilization	NOAA	C	F										
BA-0125	Northwest Turtle Bay Marsh Creation	USFWS	C	C	C	C	F							
CS-0049	Cameron-Creole Freshwater Introduction	NRCS	C	C	C	C	F							
PO-0169	New Orleans Landbridge Shoreline Stabilization & Marsh Creation	USFWS	D	C	C	C	C	C	C	C	F			
ME-0020	South Grand Chenier Marsh Creation Project	USFWS	D	D	C	C	F							
BA-0171	Caminada Headland Back Barrier Marsh Creation	EPA	D	D	C	C	C	C	F					
CS-0066	Cameron Meadows Marsh Creation and Terracing	NOAA	D	D	C	C	C	C	C	F				
TE-0138	Bayou DeCade Ridge and Marsh Creation	NOAA	D	D	D	C	C	C	F					

Notes:

1. Project currently on hold; schedule to be updated when implementation recommences
2. Schedule is contingent upon expansion of the project using supplemental funding from LDNR.



► **Table 3: Projected Three-Year Schedules for Active WRDA Projects (FY 2020 - 2022)**

Project ID	Project Name	Federal Sponsor	CY 2019		Calendar Yr 2020				Calendar Yr 2021				CY 2022	
			1FQ 2020	2FQ 2020	3FQ 2020	4FQ 2020	1FQ 2021	2FQ 2021	3FQ 2021	4FQ 2021	1FQ 2022	2FQ 2022	3FQ 2022	4FQ 2022
Other WRDA Projects														
BA-0210	Grand Isle & Vicinity Breakwaters ¹	USACE	C	C	F									
LA-0020	Southwest Coastal Louisiana ²	USACE	D	D	D	D	W	W	W	W	W	W	W	W

Notes:

1. Project partially funded by GOMESA funds.

2. Project partially funded by Surplus funds.

► **Table 4: Projected Three-Year Schedules for Active State-Only Projects (FY 2020 - 2022)**

Project ID	Project Name	Federal Sponsor	CY 2019		Calendar Yr 2020				Calendar Yr 2021				CY 2022	
			1FQ 2020	2FQ 2020	3FQ 2020	4FQ 2020	1FQ 2021	2FQ 2021	3FQ 2021	4FQ 2021	1FQ 2022	2FQ 2022	3FQ 2022	4FQ 2022
State Surplus Projects (2007, 2008, 2009)														
BA-0075-1	Jean Lafitte Tidal Protection	N/A	C	C	C	C	C	F						
BA-0075-2	Rosethorne Tidal Protection ¹	N/A	C	C	C	C	C	C	C	F				
TE-0064	Morganza to the Gulf	USACE	C	C	C	C	C	C	C	F				
TV-0082	Freshwater Bayou Shoreline Protection	N/A	D	D	D	D	C	C	F					
TV-0077	North Vermilion Bay Shoreline Protection	N/A	D	D	D	D	D	D	C	C	C	F		
BS-0033	East Bank Sediment Transport Corridor	N/A	D	D	D									
PO-0167	St. Tammany Parish Coastal Protection Study	N/A	P	P	P	D	D	D	D					
N/A	Grand Isle Bayside Segmented Rock Breakwater Project and Habitat Enhancements ^{2,3}	N/A												
N/A	St. Bernard Pump Station Repairs ^{2,3}	N/A												
N/A	Violet Canal Repairs ^{2,3}	N/A												
N/A	LaCache Pump Station ^{2,3}	N/A												
N/A	Storm Surge Risk Reduction for Reach E-South ^{2,3}	N/A												
State Surplus Projects (2018) ⁴														
N/A	Bayou Terre aux Boeufs Ridge Restoration and Armoring Phase 1 ³	N/A												
N/A	Rockefeller Refuge Shoreline Protection ³	N/A												
Capital Outlay Projects														
N/A	Murphy Lake Depth Restoration ⁵	N/A	C	C	C	F								
N/A	Buffalo Cove Water Management ⁵	N/A	C	C	C	F								
N/A	Atchafalaya Welcome Center Trail ⁵	N/A	C	C	C	F								
N/A	East Grand Lake Upper Region ⁵	N/A	C	C	C	C	C	F						
N/A	Flat Lake Study ⁵	N/A	P	P	P	P	P	P	P	P				

Notes:

1. Project partially funded by GOMESA funds.

2. Project to utilize unexpended funds from previously completed Surplus projects (subject to JLCB approval).

3. Schedule to be developed following Legislative approval of funding.

4. Project funding subject to Legislative approval in the 2019 Regular Session.

5. Project implemented through the Atchafalaya Basin Program.

Legend:

P	Feasibility & Planning	W	Awaiting Additional Funding for Implementation	F	Construction Complete	I	Program Implementation
D	Engineering & Design	C	Construction	B	Both Design & Construction		

► **Table 5: Projected Three-Year Schedules for Active CDBG Projects (FY 2020 - 2022)**

Project ID	Project Name	Federal Sponsor	CY 2019		Calendar Yr 2020				Calendar Yr 2021				CY 2022	
			1FQ 2020	2FQ 2020	3FQ 2020	4FQ 2020	1FQ 2021	2FQ 2021	3FQ 2021	4FQ 2021	1FQ 2022	2FQ 2022	3FQ 2022	4FQ 2022
TE-0078	Cut-Off/Pointe Aux Chene Levee	HUD	C	F										

► **Table 6: Projected Three-Year Schedules for Active HSDRRS and Other Federal Protection Projects (FY 2020 - 2022)¹**

Project ID	Project Name	Federal Sponsor	CY 2019		Calendar Yr 2020				Calendar Yr 2021				CY 2022	
			1FQ 2020	2FQ 2020	3FQ 2020	4FQ 2020	1FQ 2021	2FQ 2021	3FQ 2021	4FQ 2021	1FQ 2022	2FQ 2022	3FQ 2022	4FQ 2022
BA-0066	West Bank and Vicinity ^{2,3,4,5}	USACE	F											
BA-0154	Previously Authorized Mitigation- WBV ^{2,3}	USACE	C	F										
BA-0109	HSDRRS Mitigation- WBV ^{2,3}	USACE	C	C	C	C	C	F						
PO-0121	HSDRRS Mitigation- LPV ^{2,3}	USACE	C	C	C	C	C	F						
PO-0057	SELA- Overall ^{2,3}	USACE	C	C	C	C	C	C	C	C	C	C	F	
BA-0067	New Orleans to Venice ^{2,3,6}	USACE	C	C	C	C	C	C	C	C	C	C	C	C
BA-0158	New Orleans to Venice Mitigation - Plaquemines Non-Federal ^{2,3}	USACE	D	D	D	D	D	C	C	C	C	C	C	C
BA-0159	New Orleans to Venice Mitigation - Federal ^{2,3}	USACE	D	D	D	D	D	C	C	C	C	C	C	C
PO-0062	West Shore-Lake Pontchartrain, Louisiana Hurricane Protection ^{1,6,7}	USACE	D	D	D	D	D	D	C	C	C	C	C	C
BA-0211	Upper Barataria Basin Flood Management	USACE	P	P	P	P	P	P	P	P	P	P	P	P
BA-0212	WBV Risk Reduction	USACE	P	P	P	P	P	P	P	P	P	P	P	P
PO-0182	LPV Risk Reduction	USACE	P	P	P	P	P	P	P	P	P	P	P	P
TV-0054	South Central Coastal Plan	USACE	P	P	P	P	P	P	P	P	P	P	P	P

Notes:

1. OM&M duties are the responsibility of the local sponsor.
2. Schedule based on USACE estimates.
3. State expenditures may be covered with Surplus allocation for HSDRRS LERRDS.
4. Payments for 30-year payback to commence upon completion of construction activities. According to the USACE, payback will begin in calendar year 2020.
5. Schedule does not include HSDRRS Armoring, which is anticipated to continue into 2020.
6. Project partially funded by GOMESA funds.
7. Project proposed for supplemental funding with 2018 Surplus funds (subject to Legislative approval in the 2019 Regular Session).

► **Table 7: Projected Three-Year Schedules for Active GOMESA Projects (FY 2020 - 2022)**

Project ID	Project Name	Federal Sponsor	CY 2019		Calendar Yr 2020				Calendar Yr 2021				CY 2022	
			1FQ 2020	2FQ 2020	3FQ 2020	4FQ 2020	1FQ 2021	2FQ 2021	3FQ 2021	4FQ 2021	1FQ 2022	2FQ 2022	3FQ 2022	4FQ 2022
BA-0216	Magnolia Ridge Levee Lift and Road	BOEM	C	C	C	F								
BA-0218	Levee Improvements for Gheens Community	BOEM	C	C	C	F								
BA-0222	NOV-NF Drainage Canal Relocation	BOEM	C	C	C	F								
BA-0231	Storm Surge Risk Reduction for Reach E-North	BOEM	C	C	C	F								
BA-0233	Storm Surge Risk Reduction for US-90 at Bayou Folse	BOEM	C	C	C	F								
TE-0148	40 Arpent Canal Levee- Lockport Co. Canal to Butch Hill Station	BOEM	C	C	C	F								
TE-0149	Bayou Lil Bleu Structure	BOEM	C	C	C	F								
TE-0150	Reach L	BOEM	C	C	C	F								
TE-0152	Des Allemands FDA Pump Station Rehabilitation	BOEM	C	C	C	F								
TE-0151	Grand Bayou Floodgate	BOEM	C	C	C	C	C	C	C	F				
AT-0017	Bayou Chene Floodgate	BOEM	C	C	C	C	C	C	C	C	C	C	C	F
BA-0221	BLFWD Pumping Capacity Improvements Phase 1	BOEM	D	D	C	C	C	C	C	C	C	C	C	C
BA-0219	Davis Pond Upper Barataria Risk Reduction	BOEM	D	D	D	D	D	D	D	D	C	C	C	C
TE-0147	Hollywood Canal Closure Structure	BOEM	D	D	D	D	D	D	D	D	C	C	C	C
BA-0220	Sunset Levee Upper Barataria Risk Reduction (UBRR)	BOEM	D	D	D	D	D	D	D	D				
PO-0184	St. Tammany Storm Surge Risk Reduction	BOEM				D	D	D	D	D	D	D	D	D



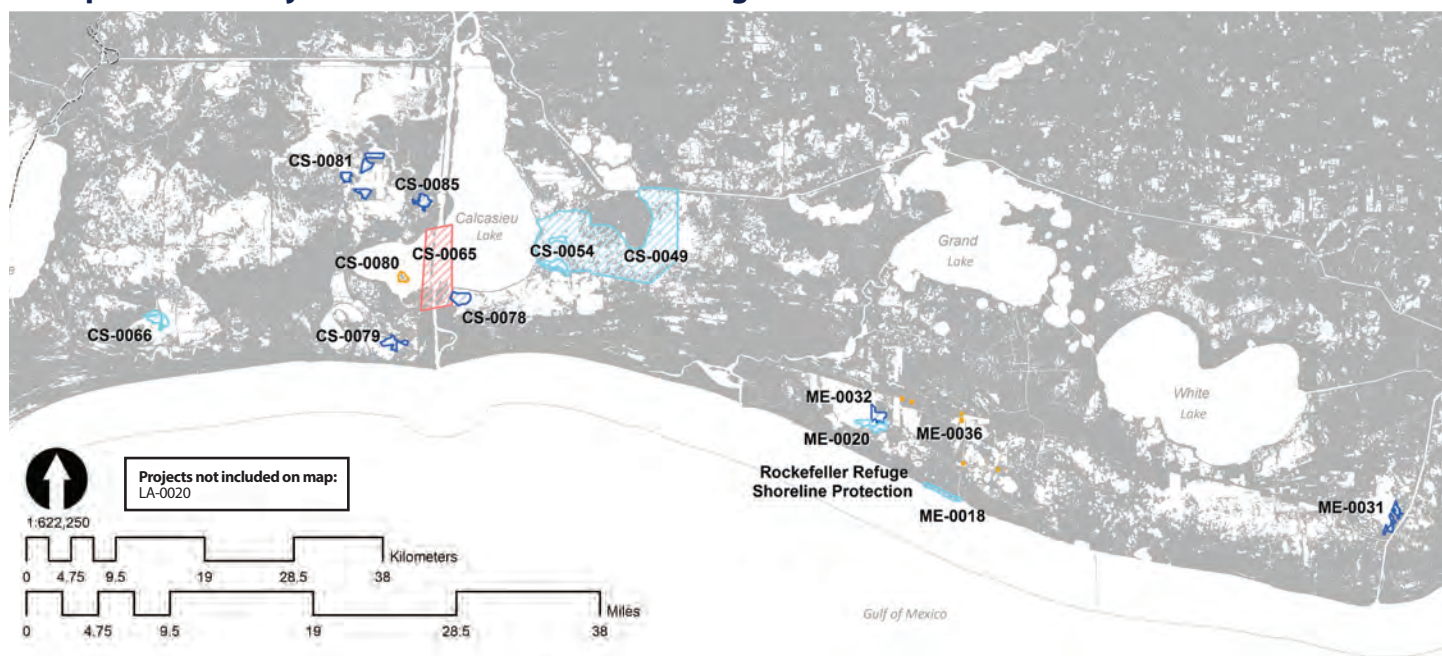
► **Table 8: Projected Three-Year Schedules for Active and Proposed Oil Spill Projects (FY 2020 - 2022)**

Project ID	Project Name	Federal Sponsor	CY 2019		Calendar Yr 2020				Calendar Yr 2021				CY 2022	
			1FQ	2FQ	3FQ	4FQ	1FQ	2FQ	3FQ	4FQ	1FQ	2FQ	3FQ	4FQ
			2020	2020	2020	2020	2021	2021	2021	2021	2022	2022	2022	2022
Deepwater Horizon NRDA Projects														
BA-0202	Queen Bess Island Restoration	N/A	C	C	F									
TE-0144	Island Road Fishing Piers	N/A	C	C	F									
BA-0214	Grand Isle State Park Improvements	N/A	C	C	C	F								
TE-0146	Pointe-aux-Chenes WMA Enhancements	N/A	C	C	C	F								
BA-0213	Bayou Segnette State Park Improvements	N/A	D	C	C	F								
PR-0001	Middle Pearl River WMA Boat Launch	N/A	D	C	C	F								
AT-0019	Atchafalaya WMA Boat Launch	N/A	D	C	C	C	F							
ME-0036	Rockefeller Piers and Signage	N/A	D	D	C	C	F							
AT-0020	Atchafalaya WMA Campground Improvements	N/A	D	D	C	C	C	F						
MR-0169	Pass-a-Loutre Crevasses NRDA	N/A	D	D	C	C	C	F						
TV-0081	Cypremort Point State Park Improvements	N/A	D	D	C	C	C	C	F					
BA-0203	Barataria Basin Ridge and Marsh Restoration- Spanish Pass Increment	N/A	D	D	C	C	C	C	C	C	C	C	C	F
MR-0170	Pass-a-Loutre Campgrounds NRDA	N/A	D	D	D	C	C	F						
CS-0080	Rabbit Island Restoration	N/A	D	D	D	D	C	C	F					
BA-0207	Large-Scale Barataria Marsh Creation	N/A	D	D	D	D	D	C	C	C	C	C	C	C
PO-0180	Lake Borgne Marsh Creation- Increment 1	N/A	D	D	D	D	D	C	C	C	C	C	C	C
TE-0139	Terrebonne Basin Ridge and Marsh Creation- Bayou Terrebonne Increment	N/A	D	D	D	D	D	D	D	D	D	D	C	C
NFWF Projects														
TE-0143	Terrebonne Basin Barrier Island and Beach Nourishment	N/A	B	C	C	C	C	C	C	F				
TE-0110	Increase Atchafalaya Flow to Eastern Terrebonne	N/A	D	D	D	D	D	D	D	D	W	W	W	W
BA-0153	Mid-Barataria Sediment Diversion	N/A	D	D	D	D	D	D	D	D	D	D	W	W
BS-0030	Mid-Breton Sediment Diversion	N/A	D	D	D	D	D	D	D	D	D	D	D	D
LA-0276	Sediment Diversion Implementation and Program Management	N/A	I	I	I	I	I	I	I	I	I	I		
RESTORE Projects														
TE-0113	Houma Navigation Canal Lock Complex	N/A	D	D	C	C	C	C	C	C	C	C	C	C
PO-0163	Golden Triangle Marsh Creation	N/A	D	D	W	W	W	W	W	W	W	W	W	W
BA-0197	West Grand Terre Beach Nourishment and Stabilization	N/A	D	D	D	D	W	W	W	W	W	W	W	W
PO-0174	Biloxi Marsh Living Shoreline Project	N/A	D	D	D	D	D	D	W	W	W	W	W	W
PO-0029	River Reintroduction into Maurepas Swamp	N/A	D	D	D	D	D	D	D	W	W	W	W	W
CS-0065	Calcasieu Ship Channel Salinity Control Measures	N/A	D	D	D	D	D	D	D	D	W	W	W	W
MR-0168	Lowermost Mississippi River Management Program	N/A	P	P	P	P	P	P	P	P				
N/A	Parish Matching Program	N/A	I	I	I	I	I	I	I	I				

Legend:

P	Feasibility & Planning	W	Awaiting Additional Funding for Implementation	F	Construction Complete	I	Program Implementation
D	Engineering & Design	C	Construction	B	Both Design & Construction		

► Map 2: Active Projects in FY 2020 – Southwest Region

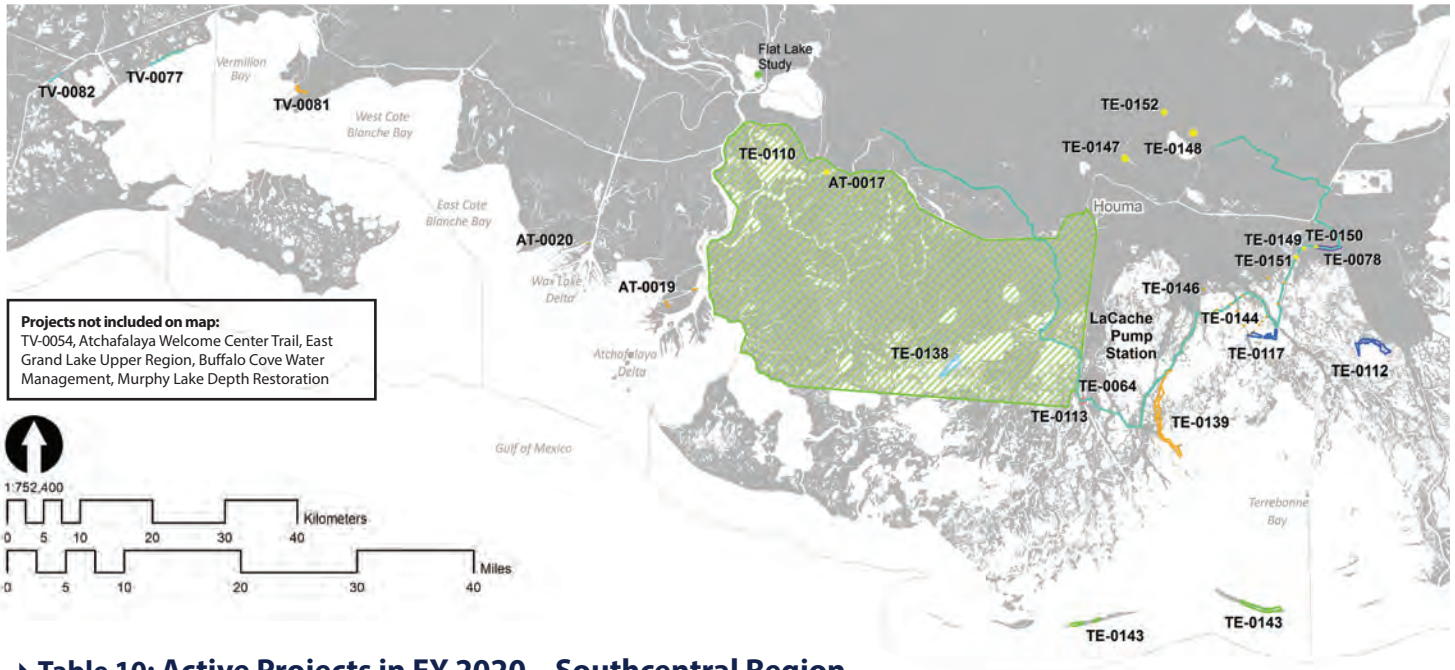


► Table 9: Active Projects in FY 2020 – Southwest Region

Project ID	Project Name	Active Phase FY 2020	Total Project Estimate
CWPPRA Phase I Projects			
CS-0078	No Name Bayou Marsh Creation & Nourishment	E&D	\$29,503,137
CS-0079	Oyster Lake Marsh Creation and Nourishment	E&D	\$38,073,046
CS-0081	Sabine Refuge Marsh Creation Cycles 6 & 7	E&D	\$13,759,428
CS-0085	Long Point Bayou Marsh Creation	E&D	\$11,943,904
ME-0031	Freshwater Bayou Marsh Creation (CWPPRA)	E&D	\$26,756,513
ME-0032	South Grand Chenier Marsh Creation - Baker Tract	E&D	\$26,691,833
CWPPRA Phase II Projects			
CS-0049	Cameron-Creole Freshwater Introduction	CON	\$26,776,735
CS-0054	Cameron-Creole Watershed Grand Bayou Marsh Creation	CON	\$28,707,688
CS-0066	Cameron Meadows Marsh Creation and Terracing	CON	\$35,391,546
ME-0018	Rockefeller Refuge Gulf Shoreline Stabilization	CON	\$35,426,478
ME-0020	South Grand Chenier Marsh Creation Project	CON	\$23,873,346
WRDA Projects			
LA-0020	Southwest Coastal Louisiana Feasibility Study	E&D	\$3,392,226,000
State-Only Projects			
N/A	Rockefeller Refuge Shoreline Protection	CON	\$5,000,000
Deepwater Horizon NRDA Projects			
CS-0080	Rabbit Island Restoration	E&D	\$27,000,000
ME-0036	Rockefeller Piers and Signage	CON	\$690,000
RESTORE Projects			
CS-0065	Calcasieu Ship Channel Salinity Control Measures	E&D	\$263,751,502

*RESTORE Parish Matching Projects not included-see Table 31 for reference

► Map 3: Active Projects in FY 2020 – Southcentral Region



► Table 10: Active Projects in FY 2020 – Southcentral Region

Project ID	Project Name	Active Phase FY 2020	Total Project Estimate
CWPPRA Phase I Projects			
TE-0112	North Catfish Lake Marsh Creation	E&D	\$31,635,887
TE-0117	Island Road Marsh Creation and Nourishment	E&D	\$40,435,267
CWPPRA Phase II Projects			
TE-0138	Bayou DeCade Ridge and Marsh Creation	CON	\$34,400,000
State Surplus Projects			
TE-0064	Morganza to the Gulf	CON	\$177,003,835
TV-0077	North Vermilion Bay Shoreline Protection	E&D	\$7,900,000
TV-0082	Freshwater Bayou Shoreline Protection	E&D	\$3,671,432
N/A	LaCache Pump Station	CON	\$2,000,000
N/A	Murphy Lake Depth Restoration	CON	\$300,000
N/A	Buffalo Cove Water Management	CON	\$300,000
N/A	Atchafalaya Welcome Center Trail	CON	\$500,000
N/A	East Grand Lake Upper Region	CON	\$3,589,120
N/A	Flat Lake Study	PLN	\$300,000
CDBG Projects			
TE-0078	Cut-Off/Pointe Aux Chene Levee	CON	\$10,249,101
HSDRRS and Other Federal Protection Projects			
TV-0054	South Central Coastal Plan	PLN	\$3,000,000
Deepwater Horizon NRDA Projects			
AT-0019	Atchafalaya WMA Boat Launch	CON	\$920,450
AT-0020	Atchafalaya WMA Campground Improvements	CON	\$3,248,000
TE-0139	Terrebonne Basin Ridge and Marsh Creation- Bayou Terrebonne	E&D	\$126,000,000
TE-0144	Island Road Fishing Piers	CON	\$3,000,000
TE-0146	Pointe-aux-Chenes WMA Enhancements	CON	\$5,000,000
TV-0081	Cypremort Point State Park Improvements	CON	\$4,477,338
NFWF Projects			
TE-0110	Increase Atchafalaya Flow to Eastern Terrebonne	E&D	\$415,215,000
TE-0143	Terrebonne Basin Barrier Island and Beach Nourishment	CON	\$150,000,000
RESTORE Projects			
TE-0113	Houma Navigation Canal Lock Complex	CON	\$357,784,732
GOMESA Projects			
AT-0017	Bayou Chene Floodgate	CON	\$80,000,000
TE-0147	Hollywood Canal Closure Structure	E&D	\$6,600,000
TE-0148	40 Arpent Canal Levee- Lockport Co. Canal to Butch Hill Station	CON	\$6,550,000
TE-0149	Bayou Lil Bleu Structure	CON	\$1,300,000
TE-0150	Reach L	CON	\$6,000,000
TE-0151	Grand Bayou Floodgate	CON	\$18,500,000
TE-0152	Storm Surge Risk Reduction for US-90 at Bayou Folse	CON	\$1,500,000

*RESTORE Parish Matching Projects not included-see Table 31 for reference

[illegible]

Project ID	Project Name	Active Phase FY 2020	Total Project Estimate
CWPPRA Phase I Projects			
BA-0194	East Leeville Marsh Creation and Nourishment	E&D	\$35,066,972
BA-0195	Barataria Bay Rim Marsh Creation and Nourishment	E&D	\$23,545,026
BA-0206	Northeast Turtle Bay Marsh Creation & Critical Area Shoreline Protection	E&D	\$43,482,092
BA-0217	Grand Bayou Ridge and Marsh Creation	E&D	\$40,235,427
BS-0032	Mid Breton Land Bridge Marsh Creation & Terracing	E&D	\$40,822,269
BS-0037	East Delacroix Marsh Creation and Terracing	E&D	\$37,816,133
BS-0038	Breton Landbridge Marsh Creation (West)	E&D	\$36,413,043
PO-0133	Labranche Central Marsh Creation	E&D	\$43,409,208
PO-0173	Fritchie Marsh Creation and Terracing	E&D	\$29,867,440
PO-0178	Bayou La Loutre Ridge Restoration and Marsh Creation	E&D	\$31,012,138
PO-0179	St. Catherine Island Marsh Creation and Shoreline Protection	E&D	\$25,324,715
PO-0181	Bayou Cane Marsh Creation	E&D	\$31,600,635
CWPPRA Phase II Projects			
BA-0125	Northwest Turtle Bay Marsh Creation	CON	\$33,664,671
BA-0171	Caminada Headland Back Barrier Marsh Creation	CON	\$32,284,094
PO-0169	New Orleans Landbridge Shoreline Stabilization & Marsh Creation	CON	\$17,778,172

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► **Table 11: Active Projects in FY 2020 – Southeast Region (cont'd)**

Project ID	Project Name	Active Phase FY 2020	Total Project Estimate
WRDA Projects			
BA-0210	Grand Isle & Vicinity Breakwaters	CON	\$15,000,000
State Surplus Projects			
BA-0075-1	Jean Lafitte Tidal Protection	CON	\$33,582,639
BA-0075-2	Rosethorne Tidal Protection	CON	\$24,930,787
BS-0033	East Bank Sediment Transport Corridor	E&D	\$1,048,810
PO-0167	St. Tammany Parish Coastal Protection Study	PLN	\$2,000,000
N/A	Bayou Terre aux Boeufs Ridge Restoration & Armoring Phase 1	CON	\$2,000,000
N/A	Storm Surge Risk Reduction for Reach E-South	CON	\$500,000
N/A	Grand Isle Bayside Segmented Rock Breakwaters & Habitat Enhancement	CON	\$6,500,000
N/A	St. Bernard Pump Station Repairs	CON	\$4,000,000
N/A	Violet Canal Repairs	CON	\$1,000,000
HSDRRS and Other Federal Protection Projects			
BA-0066	West Bank and Vicinity	CON	\$4,304,525,784
BA-0067	New Orleans to Venice	CON	\$1,301,523,760
BA-0109	HSDRRS Mitigation- WBV	CON	\$126,000,000
BA-0154	Previously Authorized Mitigation- WBV	CON	\$11,000,000
BA-0158	New Orleans to Venice Mitigation - Plaquemines Non-Federal	E&D	\$14,500,000
BA-0159	New Orleans to Venice Mitigation - Federal	E&D	\$30,000,000
BA-0211	Upper Barataria Basin Flood Management	PLN	\$3,000,000
BA-0212	WBV Risk Reduction	PLN	\$3,000,000
PO-0057	SELA- Overall	CON	\$1,170,974,586
PO-0062	West Shore-Lake Pontchartrain, Louisiana Hurricane Protection	E&D	\$760,000,000
PO-0121	HSDRRS Mitigation- LPV	CON	\$85,000,000
PO-0182	LPV Risk Reduction	PLN	\$3,000,000
Deepwater Horizon NRDA Projects			
BA-0202	Queen Bess Island Restoration	CON	\$17,500,000
BA-0203	Barataria Basin Ridge and Marsh Restoration- Spanish Pass Increment	CON	\$124,500,000
BA-0207	Large-Scale Barataria Marsh Creation	E&D	\$178,251,000
BA-0213	Bayou Segnette State Park Improvements	CON	\$2,126,724
BA-0214	Grand Isle State Park Improvements	CON	\$6,126,967
MR-0169	Pass-a-Loutre Crevasses NRDA	CON	\$1,568,000
MR-0170	Pass-a-Loutre Campgrounds NRDA	CON	\$1,624,000
PO-0180	Lake Borgne Marsh Creation- Increment 1	E&D	\$127,000,000
PR-0001	Middle Pearl River WMA Boat Launch	CON	\$575,000
NFWF Projects			
BA-0153	Mid-Barataria Sediment Diversion	E&D	\$1,410,708,675
BS-0030	Mid-Breton Sediment Diversion	E&D	\$798,609,888
LA-0276	Sediment Diversion Implementation and Program Management	PROG	Not Avail.
RESTORE Projects			
BA-0197	West Grand Terre Beach Nourishment and Stabilization	E&D	\$65,000,694
MR-0168	Lowermost Mississippi River Management Program	PLN	\$9,300,000
PO-0029	Mississippi River Reintroduction into Maurepas Swamp	E&D	\$199,854,326
PO-0163	Golden Triangle Marsh Creation	E&D	\$54,550,330
PO-0174	Biloxi Marsh Living Shoreline Project	E&D	\$57,719,731
GOMESA Projects			
BA-0216	Magnolia Ridge Levee Lift and Road	CON	\$3,500,000
BA-0218	Levee Improvements for Gheens Community	CON	\$1,000,000
BA-0219	Davis Pond Upper Barataria Risk Reduction	E&D	\$6,500,000
BA-0220	Sunset Levee Upper Barataria Risk Reduction	E&D	\$3,500,000
BA-0221	Pumping Capacity Improvements Phase 1	CON	\$3,500,000
BA-0222	NOV-NF Drainage Canal Relocation	CON	\$7,500,000
BA-0231	Storm Surge Risk Reduction for Reach E-North	CON	\$2,000,000
BA-0232	Des Allemands FDA Pump Station Rehabilitation	CON	\$400,000
PO-0184	St. Tammany Storm Surge Risk Reduction	E&D	\$9,000,000

► Table 12: Projected Three-Year Revenues (FY 2020 - FY 2022)

Revenue Sources	FY 2020	FY 2021	FY 2022	Program Total (FY 2020 - FY 2022)
CPR Trust Fund Annual Revenue ^{1,2}	\$15,300,000	\$15,200,000	\$15,100,000	\$45,600,000
CPR Trust Fund Carried Forward ^{1,3}	\$11,545,717	TBD	TBD	\$11,545,717
CWPPRA Federal Funds ⁴	\$62,200,077	\$67,532,611	\$68,000,000	\$197,732,688
GOMESA ^{1,5}	\$70,000,000	\$70,000,000	\$70,000,000	\$210,000,000
GOMESA Carried Forward ⁶	\$114,258,597	TBD	TBD	\$114,258,597
DOTD Interagency Transfer ¹	\$4,000,000	\$4,000,000	\$4,000,000	\$12,000,000
Surplus '07, '08, '09, '18	\$138,953,007	\$41,480,460	\$5,773,266	\$186,206,733
Community Development Block Grants	\$1,011,680	\$0	\$0	\$1,011,680
MOEX Settlement ⁷	\$131,250	\$1,057,030	\$0	\$1,188,280
Capital Outlay Funds (Previously Appropriated)	\$6,075,472	\$1,555,648	TBD	\$7,631,120
NRDA Revenues (<i>Deepwater Horizon</i>)	\$95,753,901	\$194,936,073	\$372,414,842	\$663,104,816
NFWF Revenues (<i>Deepwater Horizon</i>)	\$157,710,671	\$123,957,803	\$51,982,288	\$333,650,762
RESTORE Revenues (<i>Deepwater Horizon</i>)	\$89,329,017	\$204,307,352	\$275,012,410	\$568,648,779
LDNR Mitigation Funds ⁸	\$1,800,000	\$500,000	\$500,000	\$2,800,000
LDNR Beneficial Use Funds ⁸	\$1,500,000	\$500,000	\$500,000	\$2,500,000
LDWF Interagency Transfer ⁹	\$1,000,000	\$0	\$0	\$1,000,000
OM&M Federal Funds ¹⁰	\$19,995,775	\$16,598,653	\$15,615,350	\$52,209,778
LOSCO Funding ¹¹	\$89,992	\$84,992	\$89,992	\$264,976
Gulf of Mexico Alliance Gulf Star Grant Funding ¹²	\$22,500	\$0	\$0	\$22,500
Project Billing ¹³	\$22,907,426	\$23,000,000	\$23,000,000	\$68,907,426
Capital Outlay Request Submitted for HSDRRS 30-Year Payback	\$0	\$103,138,315	\$103,138,315	\$206,276,630
Total Projected Revenue	\$813,585,081	\$867,848,939	\$1,005,126,462	\$2,686,560,483

Notes:

1. Annually recurring revenue source to be spent in accordance with the Louisiana Constitution, specifically State Law Section 214.5.4(E) and the provisions within paragraph (3).
2. Estimate tied to mineral revenue.
3. Funding may come from 2018 Surplus funds used to replenish prior year Trust Fund revenue shortfalls.
4. Represents anticipated Federal reimbursement for CWPPRA projects led by CPRA in which the State is initially incurring more than its 15% cost share during project implementation.
5. GOMESA funds must be disbursed to the applicable states by the end of the federal fiscal year. FY 2020 GOMESA funds are anticipated to be received around April 2020 (4Q20).
6. Represents carry-forward of unexpended funds from prior-year GOMESA payments.
7. Represents anticipated balance as of FY 2020 of an initial deposit of \$6.75 million of funds from the MOEX settlement.
8. Supplemental funding to augment construction of eligible projects (specific projects to be determined at a later date). FY20 expenditures include \$1.3M in prior-year Mitigation Funds and \$1M in prior-year Beneficial Use funds for expansion of CWPPRA project CS-0054.
9. Supplemental funding to augment construction of project ME-0018.
10. Represents anticipated Federal reimbursement for CWPPRA and WRDA OM&M activities led by CPRA in which the State is initially incurring more than its cost share during project implementation.
11. Represents reimbursement of expenditures for CPRA (non-DWH) oil spill response activities.
12. Represents remaining balance of grant funding received in January 2018 for a pilot monitoring project.
13. Represents salary and other work-in-kind reimbursements for work performed on projects in funding programs listed in the table above.



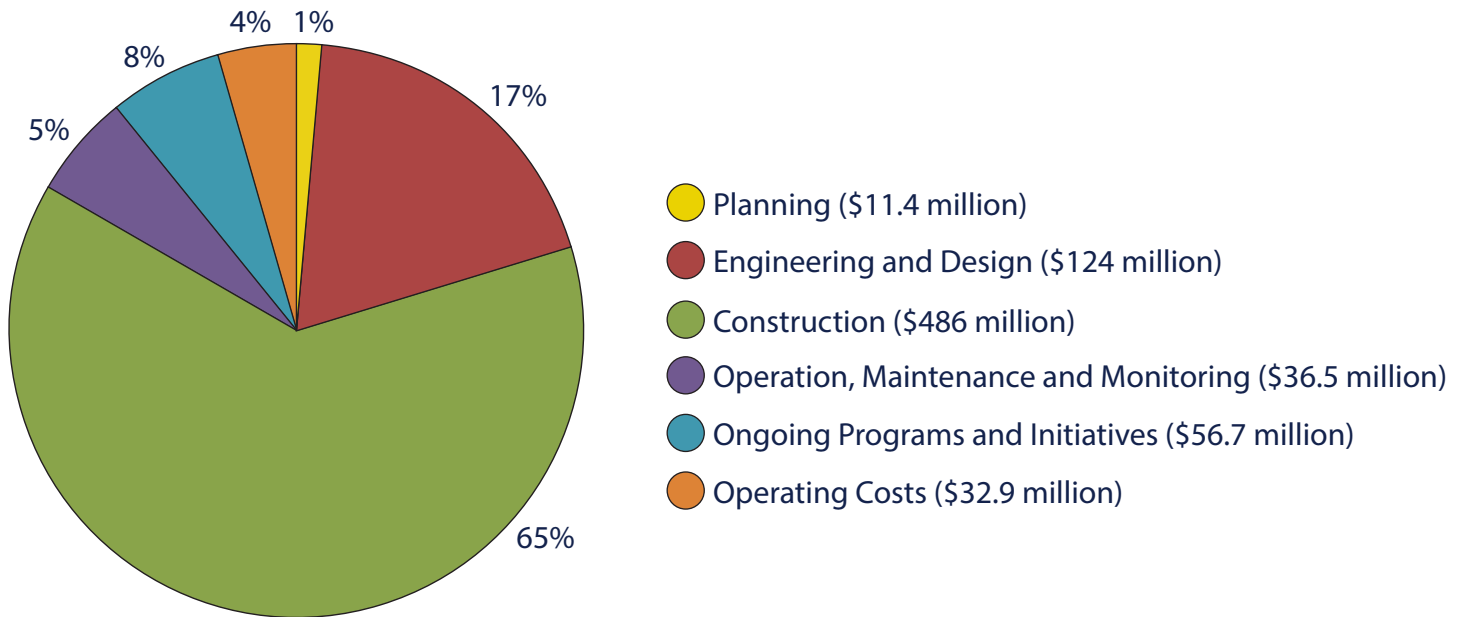
► **Table 13: Projected Three-Year Expenditures¹ (FY 2020 - FY 2022)**

Program / Funding Source	FY 2020	FY 2021	FY 2022	Program Total (FY 2020- FY 2022)
CWPPRA State Expenditures (not including Surplus expenditures) ²	\$11,529,270	\$12,467,389	\$12,000,000	\$35,996,659
CWPPRA Federal Expenditures ³	\$62,200,077	\$67,532,611	\$68,000,000	\$197,732,688
GOMESA Expenditures	\$118,312,412	\$81,056,529	\$102,960,543	\$302,329,484
WRDA Project Expenditures (not including Surplus expenditures)	\$0	\$0	\$0	\$0
Surplus Projects and Program Expenditures	\$138,953,007	\$41,480,460	\$5,773,266	\$186,206,733
Community Development Block Grants	\$1,011,680	\$0	\$0	\$1,011,680
MOEX Project Expenditures	\$131,250	\$1,057,030	\$0	\$1,188,280
Capital Outlay Project Expenditures	\$6,075,472	\$1,555,648	TBD	\$7,631,120
State-Only Project Expenditures (Non-Surplus)	\$198,941	\$176,327	\$153,712	\$528,980
NRDA Expenditures (<i>Deepwater Horizon</i>)	\$95,753,901	\$194,936,073	\$372,414,842	\$663,104,816
NFWF Expenditures (<i>Deepwater Horizon</i>) (not including Surplus Expenditures)	\$157,710,671	\$123,957,803	\$51,982,288	\$333,650,762
RESTORE Expenditures (<i>Deepwater Horizon</i>) (not including Surplus Expenditures)	\$89,329,017	\$204,307,352	\$275,012,410	\$568,648,779
LDNR Mitigation Expenditures ⁴	\$1,800,000	\$500,000	\$500,000	\$2,800,000
LDNR Beneficial Use Expenditures ⁴	\$1,500,000	\$500,000	\$500,000	\$2,500,000
LDWF Interagency Transfer Expenditures ⁵	\$1,000,000	\$0	\$0	\$1,000,000
OM&M- State Expenditures (not including Surplus or GOMESA expenditures)	\$9,219,383	\$5,930,417	\$5,592,947	\$20,742,747
OM&M- Federal Expenditures ⁶	\$19,995,775	\$16,598,653	\$15,615,350	\$52,209,778
Gulf of Mexico Alliance Gulf Star Grant Expenditures	\$22,500	\$0	\$0	\$22,500
Operating Costs (see Tables 13 and 14) ⁷	\$32,895,541	\$36,257,623	\$34,042,995	\$103,196,158
HSDRRS 30-Year Payback ⁸	\$0	\$103,138,315	\$103,138,315	\$206,276,630
Total Planned Expenditures	\$747,638,896	\$891,452,230	\$1,047,686,667	\$2,686,777,794

Notes:

1. Represents proposed expenditures provided that commensurate level of funding is received.
2. Because CWPPRA projects compete for funding annually, CWPPRA expenditures as presented in Table 16 (which include projected expenditures for approved projects only) do not adequately capture likely CWPPRA expenditures in outlying years. The State's estimated CWPPRA expenditures for FY 2021 - FY 2022 are therefore based on prior years' expenditures.
3. Represents anticipated Federal reimbursement for CWPPRA projects led by CPRA in which the State is initially incurring more than its 15% cost share during project implementation.
4. Supplemental funding to augment construction of eligible projects (specific projects to be determined at a later date). FY20 expenditures include \$1.3M in prior-year Mitigation Funds and \$1M in prior-year Beneficial Use funds for expansion of CWPPRA project CS-0054.
5. Supplemental funding to augment construction of project ME-0018.
6. Represents anticipated Federal reimbursement for CWPPRA and WRDA OM&M activities led by CPRA in which the State is initially incurring more than its cost share during project implementation.
7. In the event of a declared emergency, CPRA may need to expend Operating Costs in support of the State's disaster response efforts. Up to 75 percent of these expenditures would be reimbursable by FEMA.
8. Payback is based on current HSDRRS construction schedule; payback will not commence until completion of HSDRRS construction activities. According to current USACE estimates, payback will commence in calendar year 2020 with an estimated annual payment of \$103 million.

► **Figure 1: Projected FY 2020 Expenditures by Project Phase**

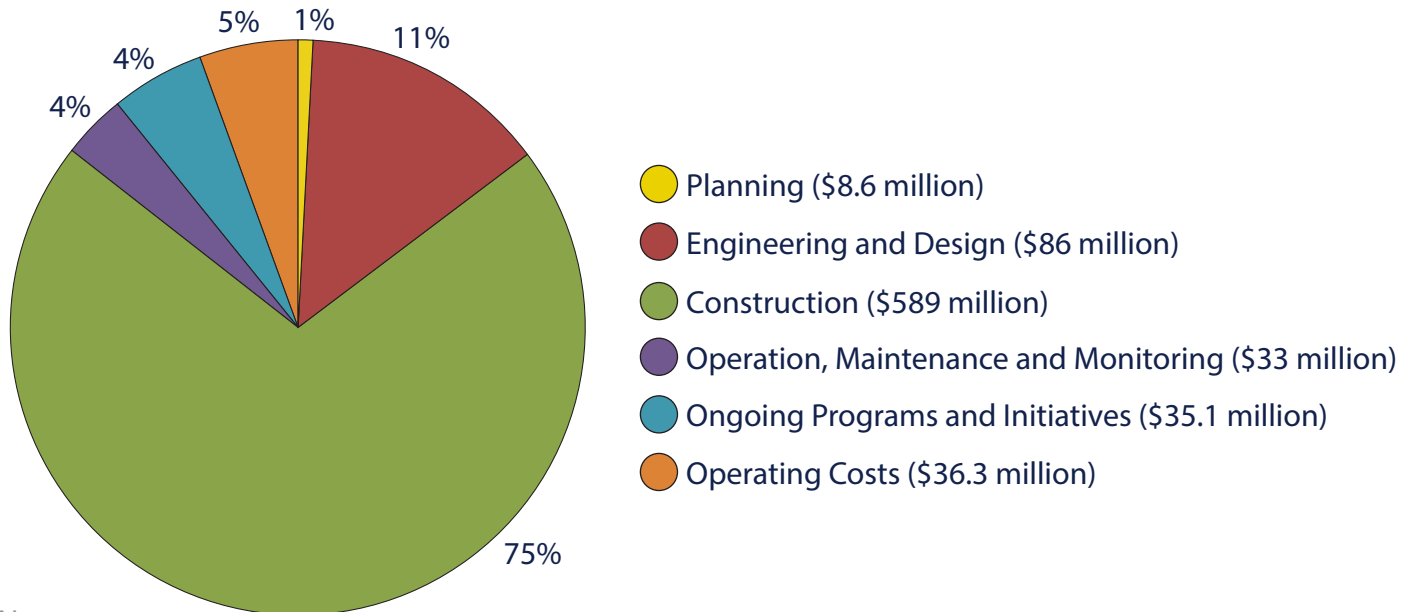


Notes

- Construction includes Beneficial Use (\$2 million)
- OM&M includes BIMP (\$2.6 million) and Repair/Rehabilitation of Projects (\$1.1 million)

TOTAL Expenditures
\$748 million

► **Figure 2: Projected FY 2021 Expenditures by Project Phase**

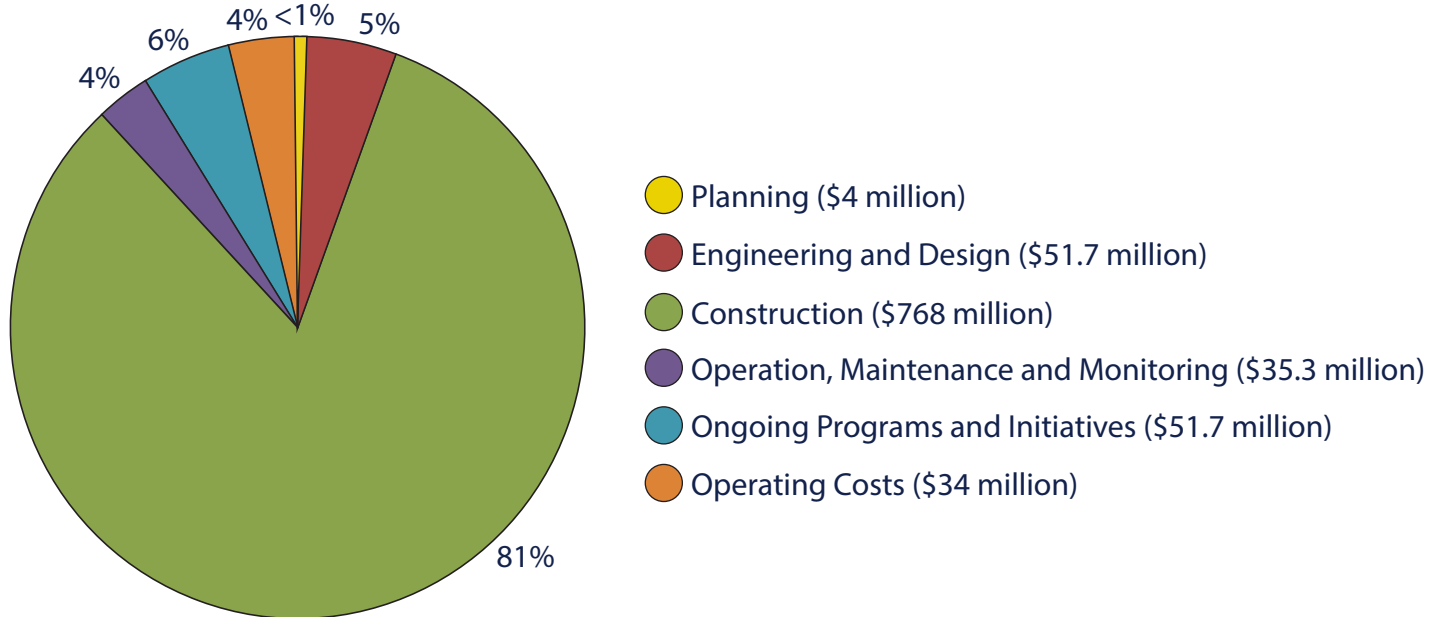


Notes

- Construction includes Beneficial Use (\$2 million)
- Engineering and Design and Construction include CWPPRA adjustment for outlying years (see Table 16 for explanation)
- Total excludes HSDRRS payback (\$103 million)

TOTAL Expenditures
\$788 million

► **Figure 3: Projected FY 2022 Expenditures by Project Phase**



Notes

- Construction includes Beneficial Use (\$2 million)
- Engineering and Design and Construction include CWPPRA adjustment for outlying years (see Table 16 for explanation)
- Total excludes HSDRRS payback (\$103 million)

TOTAL Expenditures
\$945 million

► **Table 14: Projected Programmatic Three-Year Expenditures (FY 2020 - FY 2022)**

Program ID	Program Name	FY 2020	FY 2021	FY 2022	Program Total (FY 2020 - FY 2022)
Ongoing Program Expenditures					
N/A	Beneficial Use Program	\$2,000,000	\$2,000,000	\$2,000,000	\$6,000,000
LA-0251	Barrier Island Maintenance Program ¹	\$2,529,424	TBD	TBD	\$2,529,424
N/A	Vegetative Plantings	\$400,000	\$400,000	\$400,000	\$1,200,000
PO-0162	Assistance to Levee Authorities	\$1,000,000	\$1,000,000	\$1,000,000	\$3,000,000
LA-0028	Restoration Partnerships ¹	\$1,000,000	\$1,000,000	\$1,000,000	\$3,000,000
N/A	Project Support	\$3,500,000	\$3,500,000	\$3,500,000	\$10,500,000
Total Ongoing Programs Expenditures		\$10,429,424	\$7,900,000	\$7,900,000	\$26,229,424
Adaptive Management Expenditures					
Future Project Development					
LA-0255	Project Development and Implementation Program	\$400,000	\$400,000	\$400,000	\$1,200,000
LA-0261	Non-structural Program Development ¹	\$1,000,000	\$3,000,000	TBD	\$4,000,000
Focused Applied Research					
LA-0158	Coastal Science Assistantship Program ²	\$235,000	\$335,000	\$350,000	\$920,000
Science and Technical Advisory Boards					
LA-0260	Master Plan Advisory Committees ²	\$300,000	\$300,000	\$300,000	\$900,000
Model Development and Refinement					
LA-0250	Master Plan Predictive Models ²	\$3,500,000	\$4,000,000	\$4,000,000	\$11,500,000
MR-0016-SSPM	Small Scale Physical Model ³	\$500,000	\$500,000	\$500,000	\$1,500,000
System Wide Assessment and Monitoring Program (SWAMP)					
N/A	Fisheries ⁵	\$6,300,000	\$6,500,000	\$6,500,000	\$19,300,000
N/A	SWAMP Implementation ^{3,4,5}	\$16,280,000	\$9,780,000	\$10,500,000	\$36,560,000
LA-0226	Barrier Island Comprehensive Monitoring ³	\$1,927,159	\$765,659	\$2,225,559	\$4,918,377
LA-0030	CRMS-Wetlands	\$1,250,000	\$1,039,946	\$3,606,213	\$5,896,159
N/A	Regional Geology and Sediment Management ⁴	\$830,000	\$830,000	\$830,000	\$2,490,000
Data Management and Analysis					
LA-0258	Data Management ⁴	\$2,400,000	\$2,500,000	\$2,500,000	\$7,400,000
LA-0254	Monitoring Data Interpretations ^{3,4,5}	\$1,050,000	\$1,050,000	\$1,050,000	\$3,150,000
Communication and Messaging					
N/A	Workshop and Conference Development	\$150,000	\$150,000	\$150,000	\$450,000
N/A	Language Access	\$25,000	\$25,000	\$25,000	\$75,000
LA-0249	Coastal Education	\$600,000	\$600,000	\$600,000	\$1,800,000
Total Adaptive Management Expenditures		\$36,747,159	\$31,775,605	\$33,536,772	\$102,059,536
TOTAL Programmatic Expenditures		\$47,176,583	\$39,675,605	\$41,436,772	\$128,288,960
Programmatic Surplus Expenditures (See Table 20)		\$4,386,340	\$0	\$0	\$4,386,340
Programmatic NRDA Expenditures (See Table 28)		\$13,830,000	\$12,163,312	\$15,051,545	\$41,044,857
Programmatic NFWF Expenditures (See Table 28)		\$8,377,159	\$5,019,713	\$6,722,856	\$20,119,728
Programmatic RESTORE Expenditures (See Table 28)		\$7,080,000	\$5,782,580	\$5,937,371	\$18,799,951
Programmatic GOMESA Expenditures		\$4,035,000	\$4,635,000	\$4,650,000	\$13,320,000
Programmatic Operations Expenditures		\$9,468,084	\$12,075,000	\$9,075,000	\$30,618,084



► **Table 14: Projected Programmatic Three-Year Expenditures (FY 2020 - FY 2022) (cont'd)**

Program ID	Program Name	FY 2020	FY 2021	FY 2022	Program Total (FY 2020 - FY 2022)
Notes					
1. FY 2020 expenditures funded at least partially with Surplus funds (supplemental funding from the Trust Fund may also be utilized).					
2. FY 2020 expenditures funded by GOMESA funds.					
3. FY 2020 expenditures funded by NFWF Adaptive Management funds.					
4. FY 2020 expenditures funded by RESTORE Adaptive Management funds.					
5. FY 2020 expenditures funded by NRDA Adaptive Management funds.					

► **Table 15: Projected State Protection and Restoration Three-Year Operating Expenditures (FY 2020 - FY 2022)**

Program	FY 2020	FY 2021	FY 2022	Program Total (FY 2020 - FY 2022)
CPRA	\$18,879,138	\$19,634,304	\$20,419,676	\$58,933,117
OCM	\$2,827,134	\$2,827,134	\$2,827,134	\$8,481,402
Office of the Governor - Coastal Activities	\$1,536,185	\$1,536,185	\$1,536,185	\$4,608,555
Office of the Attorney General	\$185,000	\$185,000	\$185,000	\$555,000
Total Operating Costs	\$23,427,457	\$24,182,623	\$24,967,995	\$72,578,074

Table 16. Coastal Wetlands Planning, Protection and Restoration Act (CWPPRA) Projected Expenditures

Project ID	Project Name	FY 2020	FY 2021	FY 2022	Project Total (FY 2020 - FY 2022)
Engineering and Design (P1)					
BA-0194	East Leeville Marsh Creation and Nourishment ¹	\$177,600	\$0	\$0	\$177,600
BA-0195	Barataria Bay Rim Marsh Creation and Nourishment	\$61,271	\$0	\$0	\$61,271
BA-0206	Northeast Turtle Bay Marsh Creation & Critical Area Shoreline Protection	\$35,252	\$7,626	\$0	\$42,878
BA-0217	Grand Bayou Ridge and Marsh Creation ¹	\$1,039,042	\$1,731,737	\$692,695	\$3,463,474
BS-0032	Mid Breton Land Bridge Marsh Creation & Terracing	\$806,618	\$202,552	\$0	\$1,009,170
BS-0037	East Delacroix Marsh Creation and Terracing ¹	\$1,092,750	\$1,821,251	\$728,500	\$3,642,501
BS-0038	Breton Landbridge Marsh Creation (West) ¹	\$1,151,509	\$1,919,182	\$767,673	\$3,838,364
CS-0078	No Name Bayou Marsh Creation and Nourishment ¹	\$548,324	\$85,395	\$0	\$633,718
CS-0079	Oyster Lake Marsh Creation and Nourishment ¹	\$805,777	\$0	\$0	\$805,777
CS-0081	Sabine Refuge Marsh Creation Cycles 6 & 7	\$88,800	\$44,400	\$0	\$133,200
CS-0085	Long Point Bayou Marsh Creation ¹	\$688,747	\$1,147,912	\$459,165	\$2,295,824
ME-0031	Freshwater Bayou Marsh Creation	\$8,880	\$0	\$0	\$8,880
ME-0032	South Grand Chenier Marsh Creation- Baker Tract	\$10,000	\$5,000	\$0	\$15,000
PO-0133	LaBranche Central Marsh Creation	\$49,230	\$0	\$0	\$49,230
PO-0173	Fritch Marsh Creation and Terracing	\$80,082	\$35,009	\$0	\$115,091
PO-0178	Bayou LaLoutre Ridge Restoration and Marsh Creation ¹	\$459,544	\$0	\$0	\$459,544
PO-0179	St. Catherine Island Marsh Creation and Shoreline Protection ¹	\$1,169,737	\$862,604	\$0	\$2,032,341
PO-0181	Bayou Cane Marsh Creation	\$1,599,418	\$400,000	\$0	\$1,999,418
TE-0112	North Catfish Lake Marsh Creation	\$74,000	\$37,000	\$0	\$111,000
TE-0117	Island Road Marsh Creation and Nourishment ¹	\$91,646	\$0	\$0	\$91,646
TE-0134	West Fourchon Marsh Creation ¹	\$0	\$0	\$0	\$0
Construction (P2)					
BA-0125	Northwest Turtle Bay Marsh Creation ¹	\$18,296,025	\$0	\$0	\$18,296,025
BA-0171	Caminada Headlands Back Barrier Marsh Creation ¹	\$13,255,426	\$13,255,426	\$0	\$26,510,851
CS-0049	Cameron-Creole Freshwater Introduction	\$800,000	\$439,415	\$0	\$1,239,415
CS-0054	Cameron-Creole Watershed Grand Bayou Marsh Creation ¹	\$415,255	\$0	\$0	\$415,255
CS-0066	Cameron Meadows Marsh Creation and Terracing ¹	\$5,071,490	\$26,510,071	\$0	\$31,581,561
ME-0018	Rockefeller Refuge Gulf Shoreline Stabilization ¹	\$10,850,000	\$0	\$0	\$10,850,000
PO-0169	New Orleans Landbridge Shoreline Stabilization and Marsh Creation ¹	\$7,000,000	\$8,750,000	\$1,750,000	\$17,500,000
ME-0020	South Grand Chenier Marsh Creation Project	\$1,215,896	\$1,823,843	\$0	\$3,039,739
TE-0138	Bayou DeCade Ridge and Marsh Creation ¹	\$7,195,720	\$16,790,012	\$0	\$23,985,732
Subtotal		\$74,138,038	\$75,868,434	\$4,398,033	\$154,404,505
Adjustment for Outlying Years²		N/A	\$4,131,566	\$75,601,967	\$79,733,533
Total Expenditures		\$74,138,038	\$80,000,000	\$80,000,000	\$234,138,038
Surplus Expenditures (See Table 19)		(\$408,691)	\$0	\$0	(\$408,691)
Federal Expenditures (see Note 1)		\$62,200,077	\$67,532,611	\$68,000,000	\$197,732,688
Trust Fund Expenditures		\$11,529,270	\$12,467,389	\$12,000,000	\$35,996,659

Notes:

1- Project is being led by CPRA; projected expenditures include Federal funds; any State expenditures beyond its 15% cost share will be reimbursed by the Federal partner.

2- Because CWPPRA projects compete for funding annually, CWPPRA expenditures as presented in Table 16 (which include projected expenditures for approved projects only) do not adequately capture likely CWPPRA expenditures in outlying years. The State's estimated CWPPRA expenditures for FY 2021 - FY 2022 are therefore based on prior years' expenditures.



Table 17. Louisiana WRDA Projected Expenditures

Project ID	Project Name	FY 2020	FY 2021	FY 2022	Project Total (FY 2020 - FY 2022)
BA-0210	Grand Isle & Vicinity Breakwaters ¹	\$10,357,808	\$0	\$0	\$10,357,808
LA-0020	Southwest Coastal Louisiana ²	\$871,687	TBD	TBD	\$871,687
Total Expenditures		\$11,229,495	\$0	\$0	\$11,229,495
GOMESA Expenditures for WRDA (see Table 28)		(\$10,357,808)	\$0	\$0	(\$10,357,808)
Surplus Expenditures for WRDA (see Table 19)		(\$871,687)	\$0	\$0	(\$871,687)
Trust Fund Expenditures for WRDA		\$0	\$0	\$0	\$0

Notes:

1- Project expenditures are funded through GOMESA revenues (see Table 29).

2- Project expenditures are funded through Surplus revenues (see Table 20); expenditures in future fiscal years will be covered with accrued credit or Trust Fund dollars.

Table 18. Community Development Block Grant (CDBG) Projected Expenditures

Project ID	Project Name	FY 2020	FY 2021	FY 2022	Project Total (FY 2020 - FY 2022)
TE-0078	Cut-Off/Pointe Aux Chene Levee	\$1,000,000	\$0	\$0	\$1,000,000
N/A	CDBG Program Administration	\$11,680	\$0	\$0	\$11,680
Total Expenditures		\$1,011,680	\$0	\$0	\$1,011,680

Table 19. State-Only Project Expenditures (Non-Surplus)

Project ID	Project Name	FY 2020	FY 2021	FY 2022	Project Total (FY 2020 - FY 2022)
MOEX Projects					
PO-0142	Hydrologic Restoration of the Amite River Diversion Canal ¹	\$131,250	\$1,057,030	\$0	\$1,188,280
Capital Outlay Projects					
BA-0066	West Bank and Vicinity ²	\$342,000	\$0	\$0	\$342,000
TE-0064	Morganza to the Gulf ²	\$2,300,000	\$0	\$0	\$2,300,000
N/A	East Grand Lake Upper Region ³	\$2,153,472	\$1,435,648	\$0	\$3,589,120
N/A	Flat Lake Study ³	\$180,000	\$120,000	\$0	\$300,000
N/A	Murphy Lake Depth Restoration ³	\$300,000	\$0	\$0	\$300,000
N/A	Buffalo Cove Water Management ³	\$300,000	\$0	\$0	\$300,000
N/A	Atchafalaya Welcome Center Trail ³	\$500,000	\$0	\$0	\$500,000
Projects with Trust Fund Expenditures					
BA-0109	HSDRRS Mitigation- WBV ⁴	\$25,397	\$12,699	\$0	\$38,096
BA-0158	New Orleans to Venice Mitigation- Plaquemines Non-Fed ⁴	\$11,680	\$11,680	\$11,680	\$35,040
BA-0159	New Orleans to Venice Mitigation- Fed ⁴	\$11,680	\$11,680	\$11,680	\$35,040
BA-0211	Upper Barataria Basin Flood Management ⁴	\$30,368	\$30,368	\$30,368	\$91,104
BA-0212	WBV Risk Reduction ⁴	\$30,368	\$30,368	\$30,368	\$91,104
PO-0057	SELA- Overall ⁴	\$8,880	\$8,880	\$8,880	\$26,640
PO-0121	HSDRRS Mitigation- LPV ⁴	\$19,832	\$9,916	\$0	\$29,748
PO-0182	LPV Risk Reduction ⁴	\$30,368	\$30,368	\$30,368	\$91,104
TV-0054	South Central Coastal Plan ⁴	\$30,368	\$30,368	\$30,368	\$91,104
Total State Expenditures		\$6,405,663	\$2,789,005	\$153,712	\$9,348,380

Notes:

1- Projected expenditures are for post-construction activities including site assessment, nutria control, and vegetative plantings.

2- Project receiving supplemental funding from Surplus funds (see Table 20).

3- Project to be implemented under the Atchafalaya Basin program.

4- Project is currently 100% Federal. Projected expenditures are for staff coordination with Federal project team members.

Table 20. Surplus Projected Expenditures (2007, 2008, 2009, 2018)

Project ID	Project Name	FY 2020	FY 2021	FY 2022	Project Total (FY 2020 - FY 2022)
2007, 2008, 2009 Surplus - Project Expenditures					
BA-0045	Caminada Headland Beach and Dune Restoration ¹	\$86,840	\$0	\$0	\$86,840
BA-0071	Medium Diversion with Dedicated Dredging at Myrtle Grove ²	\$2,811,261	\$0	\$0	\$2,811,261
BA-0075-1	Jean Lafitte Tidal Protection	\$11,200,000	\$2,000,000	\$0	\$13,200,000
BA-0075-2	Rosethorne Tidal Protection	\$3,000,000	\$3,300,000	\$0	\$6,300,000
BS-0033	East Bank Sediment Transport Corridor	\$262,203	\$0	\$0	\$262,203
LA-0020	Southwest Coastal Louisiana	\$871,687	\$0	\$0	\$871,687
PO-0062	West Shore Lake Pontchartrain	\$7,000,000	\$0	\$0	\$7,000,000
PO-0063	Lake Pontchartrain and Vicinity	\$11,018,569	\$645,600	\$419,412	\$12,083,581
PO-0167	St. Tammany Parish Coastal Protection Study	\$500,000	\$1,000,000	\$0	\$1,500,000
PO-0170	Violet Canal North Levee Alignment ³	\$218,874	\$0	\$0	\$218,874
TE-0064	Morganza to the Gulf	\$6,800,000	\$0	\$0	\$6,800,000
TE-0065-SP	Larose to Golden Meadow- Larose Sheetpile ⁴	\$3,000,000	\$1,500,380	\$643,020	\$5,143,400
TV-0077	North Vermilion Bay Shoreline Protection	\$1,000,000	\$3,700,000	\$3,200,000	\$7,900,000
TV-0082	Freshwater Bayou Shoreline Protection	\$500,000	\$3,100,000	\$0	\$3,600,000
N/A	Southeast Louisiana Flood Protection/ LERRDS ⁵	\$41,009,797	\$2,234,480	\$1,510,834	\$44,755,111
N/A	Grand Isle Bayside Segmented Rock Breakwater Project and Habitat Enhancements ⁶	\$6,500,000	\$0	\$0	\$6,500,000
N/A	Lafitte Area Independent Levee District Tidal Protection ^{6,7}	\$5,000,000	\$0	\$0	\$5,000,000
N/A	St. Bernard Pump Station Repairs ⁶	\$4,000,000	\$0	\$0	\$4,000,000
N/A	Violet Canal Repairs ⁶	\$1,000,000	\$0	\$0	\$1,000,000
N/A	LaCache Pump Station ⁶	\$2,000,000	\$0	\$0	\$2,000,000
N/A	Storm Surge Risk Reduction for Reach E-South ⁶	\$500,000	\$0	\$0	\$500,000
2007, 2008, 2009 Surplus - Programmatic Expenditures					
LA-0026	Rehabilitation and Repair of State Restoration Projects	\$1,098,239	\$0	\$0	\$1,098,239
LA-0027	Barrier Island Maintenance Program	\$2,529,424	\$0	\$0	\$2,529,424
N/A	Coastal Wetland Planning, Protection and Restoration Act (CWPPRA) ⁸	\$408,691	\$0	\$0	\$408,691
N/A	Emergency Reserve	\$6,780,506	\$0	\$0	\$6,780,506
N/A	Non-Structural Program Development ⁹	\$856,916	\$0	\$0	\$856,916
2018 Surplus Expenditures¹⁰					
BA-0153	Mid-Barataria Sediment Diversion (Land Acquisition)	\$3,000,000	\$0	\$0	\$3,000,000
BA-0197	West Grand Terre - LDWF Camp Removal	\$2,000,000	\$0	\$0	\$2,000,000
LA-0028	Restoration Partnerships	\$1,000,000	\$0	\$0	\$1,000,000
PO-0062	West Shore Lake Pontchartrain	\$6,000,000	\$24,000,000	\$0	\$30,000,000
N/A	Bayou Terre aux Boeufs Ridge Restoration and Armoring Phase 1	\$2,000,000	\$0	\$0	\$2,000,000
N/A	Rockefeller Refuge Shoreline Protection	\$5,000,000	\$0	\$0	\$5,000,000
Total Expenditures		\$138,953,007	\$41,480,460	\$5,773,266	\$186,206,733

Notes:

1- Surplus funds include post-construction monitoring expenditures (see Table 23).

2- Includes funding for Diversion Modeling and Model Improvement (LA-0282).

3- Project constructed with leftover funds from project PO-0061 (completed in FY 2011).

4- Expenditures will be used to fund additional improvements within the Larose to Golden Meadow alignment.

5- Includes funds that may be used for West Bank and Vicinity (BA-0066), HSDRRS Mitigation- West Bank and Vicinity (BA-0109), HSDRRS Mitigation- Lake Pontchartrain and Vicinity (PO-0121), SELA (PO-0057), Permanent Closure of Canals and Pump Stations (PO-0060), LPV Task Force Guardian Mitigation- Bayou Sauvage (PO-0145), Previously Authorized Mitigation LPV- Manchac (PO-0146), Previously Authorized Mitigation- WBV (BA-0154), New Orleans to Venice (BA-0067), New Orleans to Venice Mitigation- Plaquemines Non-Fed (BA-0158), New Orleans to Venice Mitigation- Fed (BA-0159), and/or Plaquemines TFU Mitigation- Braithwaite to Scarsdale (BA-0156).

6- Project to be implemented with unexpended funds from previously completed Surplus projects (subject to approval by the Joint Legislative Committee on the Budget).

7- Represents supplemental funding to expedite implementation of Lafitte Tidal Protection projects (e.g., BA-0075-2).

8- Expenditures will be used to supplement funding for CWPPRA projects (see Table 16).

9- Funds will be used to develop a coordinated strategy for implementing nonstructural projects identified in the Master Plan coastal communities. This may also include development of pilot projects in coastal parishes with high levels of risk and vulnerability.

10- Funding subject to Legislative approval in the 2019 Regular Session.



Table 21. CWPPRA Monitoring Projected Expenditures

Project No.	Project Name	FY 2020	FY 2021	FY 2022	Project Total (FY 2020 - FY 2022)
BA-0002	GIWW (Gulf Intracoastal Waterway) to Clovelly Hydrologic Restoration	\$13,320	\$2,368	\$1,184	\$16,872
BA-0003-C	Naomi Outfall Management	\$22,182	\$16,512	\$13,210	\$51,904
BA-0020	Jonathan Davis Wetland Protection	\$11,840	\$4,440	\$4,440	\$20,720
BA-0027-C	Barataria Landbridge Shoreline Protection (Phase 3)	\$16,576	\$11,840	\$4,440	\$32,856
BA-0034-2	Hydrologic Restoration and Vegetative Planting in the Des Allemands Swamp	\$77,400	\$61,840	\$61,840	\$201,080
BA-0035	Chaland Pass to Grand Bayou	\$21,176	\$4,440	\$11,840	\$37,456
BA-0036	Dedicated Dredging on the Barataria Basin Landbridge	\$4,440	\$4,440	\$4,440	\$13,320
BA-0037	Little Lake Shoreline Protection/Dedicated Dredging Near Round Lake	\$5,920	\$5,920	\$5,920	\$17,760
BA-0038	Barataria Barrier Island Complex Project: Pelican Island and Pass La Mer to Chaland Pass Restoration	\$21,176	\$4,440	\$4,440	\$30,056
BA-0039	Mississippi River Sediment Delivery (Bayou Dupont)	\$10,552	\$79,354	\$20,183	\$110,089
BA-0042	Lake Hermitage Marsh Creation	\$77,297	\$12,432	\$6,512	\$96,241
BA-0048	Bayou Dupont Marsh and Ridge Creation	\$39,392	\$21,630	\$2,960	\$63,982
BA-0068	Grand Liard Marsh and Ridge Restoration	\$38,260	\$29,800	\$4,440	\$72,500
BA-0164	Bayou Dupont Sediment Delivery Marsh Creation #3	\$3,552	\$10,656	\$25,831	\$40,039
BA-0173	Bayou Grande Chenier Marsh and Ridge Restoration	\$2,960	\$90,046	\$27,544	\$120,550
BS-0003-A	Caernarvon Diversion Outfall Management	\$2,960	\$14,208	\$2,960	\$20,128
BS-0011	Delta Management at Fort St. Philip	\$4,440	\$4,440	\$101,880	\$110,760
BS-0016	South Lake Lery Shoreline and Marsh Restoration	\$4,736	\$22,633	\$4,736	\$32,105
CS-0004-A	Cameron-Creole Maintenance	\$44,992	\$44,992	\$44,992	\$134,976
CS-0011-B	Sweet Lake/Willow Lake Hydrologic Restoration	\$2,960	\$2,960	\$2,960	\$8,880
CS-0021	Highway 384 Hydrologic Restoration	\$10,952	\$2,960	\$2,960	\$16,872
CS-0023	Replace Sabine Refuge Water Control Structures at Headquarters Canal, West Cove Canal, and Hog Island Gully	\$5,920	\$19,536	\$2,960	\$28,416
CS-0024	Perry Ridge Shore Protection	\$2,960	\$0	\$0	\$2,960
CS-0027	Black Bayou Hydrologic Restoration	\$4,144	\$4,144	\$17,168	\$25,456
CS-0028-3	Sabine Refuge Marsh Creation, Increment 3	\$8,880	\$17,168	\$17,168	\$43,216
CS-0028-4	Sabine Refuge Marsh Creation, Increment 4	\$4,440	\$17,168	\$17,168	\$38,776
CS-0029	Black Bayou Culverts Hydrologic Restoration	\$17,168	\$17,168	\$2,960	\$37,296
CS-0030	GIWW - Perry Ridge West Bank Stabilization	\$2,960	\$20,424	\$17,168	\$40,552
CS-0031	Holly Beach Sand Management	\$2,960	\$2,960	\$2,960	\$8,880
CS-0032	East Sabine Lake Hydrologic Restoration	\$2,960	\$12,432	\$12,432	\$27,824
CS-0049	Cameron-Creole Freshwater Introduction - Vegetative Plantings	\$2,960	\$2,960	\$2,960	\$8,880
CS-0054	Cameron-Creole Watershed Grand Bayou Marsh Creation	\$2,960	\$2,960	\$2,960	\$8,880
CS-0059	Oyster Bayou Marsh Creation & Terracing	\$44,363	\$44,363	\$44,363	\$133,090
LA-0003-B	Coastwide Nutria Control Plan	\$152,960	\$152,960	\$152,960	\$458,880
LA-0039	Coastwide Plantings Program	\$160,340	\$165,076	\$165,076	\$490,492
ME-0004	Freshwater Bayou Wetland (Phases 1 & 2)	\$17,168	\$17,168	\$17,168	\$51,504
ME-0011	Humble Canal Hydrologic Restoration	\$31,299	\$17,091	\$14,960	\$63,350
ME-0013	Freshwater Bayou Bank Stabilization	\$3,260	\$9,676	\$2,960	\$15,896
ME-0014	Pecan Island Terracing	\$2,960	\$23,088	\$23,088	\$49,136
ME-0016	Freshwater Introduction South of Highway 82	\$29,299	\$29,299	\$15,091	\$73,690
ME-0018	Rockefeller Refuge Gulf Shoreline Stabilization	\$76,840	\$76,840	\$76,840	\$230,520
ME-0019	Grand-White Lakes Landbridge Protection	\$2,960	\$9,380	\$17,168	\$29,508
ME-0020	South Grand Chenier Hydrologic Restoration Project	\$2,960	\$2,960	\$2,960	\$8,880
ME-0022	South White Lake Shoreline Protection	\$15,300	\$33,744	\$21,904	\$70,948
MR-0003	West Bay Sediment Diversion	\$14,800	\$5,920	\$219,560	\$240,280
MR-0009	Delta-Wide Crevasses	\$4,736	\$4,736	\$4,736	\$14,208
PO-0006	Fritch Marsh Restoration	\$11,840	\$4,440	\$2,960	\$19,240
PO-0018	Bayou Sauvage National Wildlife Refuge Hydrologic Restoration, Phase 2	\$592	\$592	\$592	\$1,776
PO-0022	Bayou Chevee Shoreline Protection	\$7,696	\$8,880	\$4,736	\$21,312
PO-0024	Hopedale Hydrologic Restoration	\$2,960	\$2,960	\$2,960	\$8,880
PO-0033	Goose Point/Point Platte Marsh Creation	\$8,880	\$2,368	\$2,960	\$14,208
PO-0104	Bayou Bonfouca Marsh Creation	\$43,848	\$2,368	\$77,878	\$124,094
PO-0169	New Orleans Landbridge Shoreline Stabilization and Marsh Creation	\$2,960	\$2,960	\$87,920	\$93,840
TE-0020	Isle Dernieres Restoration East Island	\$2,368	\$0	\$0	\$2,368
TE-0028	Brady Canal Hydrologic Restoration	\$2,368	\$25,000	\$25,000	\$52,368
TE-0034	Penchant Basin Natural Resources Plan, Increment 1	\$11,840	\$11,840	\$11,840	\$35,520
TE-0037	New Cut Dune/Marsh Restoration	\$11,840	\$3,552	\$4,736	\$20,128
TE-0040	Timbalier Island Dune/Marsh Restoration	\$8,880	\$2,368	\$2,368	\$13,616
TE-0044	North Lake Mechant Landbridge Restoration	\$28,416	\$28,416	\$28,416	\$85,248
TE-0046	West Lake Boudreaux Shoreline Protection and Marsh Creation	\$4,144	\$23,680	\$8,880	\$36,704
TE-0048	Raccoon Island Shoreline Protection/Marsh Creation	\$97,760	\$5,920	\$68,880	\$172,560
TE-0050	Whiskey Island Back Barrier Marsh Creation	\$21,312	\$43,552	\$4,736	\$69,600
TE-0052	West Belle Pass Barrier Headland Restoration	\$5,920	\$22,760	\$5,920	\$34,600
TE-0072	Lost Lake Marsh Creation and Hydrologic Restoration	\$5,920	\$5,920	\$2,960	\$14,800
TV-0004	Cote Blanche Hydrologic Restoration	\$2,960	\$2,960	\$2,960	\$8,880
TV-0012	Little Vermilion Bay Sediment Trapping	\$2,960	\$0	\$0	\$2,960
TV-0013-A	Oaks/Avery Canal Hydrologic Restoration, Increment 1	\$17,168	\$17,168	\$2,960	\$37,296
TV-0014	Marsh Island Hydrologic Restoration	\$21,266	\$17,168	\$2,960	\$41,394
TV-0015	Sediment Trapping at "The Jaws"	\$8,880	\$25,456	\$19,536	\$53,872
TV-0017	Lake Portage Land Bridge	\$17,168	\$2,960	\$2,960	\$23,088
TV-0018	Four Mile Canal Terracing and Sediment Trapping	\$2,960	\$8,880	\$8,880	\$20,720
TV-0021	East Marsh Island Marsh Creation	\$12,432	\$23,943	\$14,471	\$50,846
TV-0063	Coles Bayou Marsh Restoration	\$8,880	\$15,024	\$29,232	\$53,136
CRMS	Coastwide Reference Monitoring System	\$8,395,736	\$8,513,429	\$10,506,565	\$27,415,731
Total Expenditures		\$9,824,595	\$9,986,137	\$12,168,717	\$31,979,449
Federal CWPPRA Monitoring Expenditures		\$8,350,905	\$8,488,217	\$10,343,409	\$27,182,531
Trust Fund CWPPRA Monitoring Expenditures		\$1,473,689	\$1,497,921	\$1,825,308	\$4,796,917

Table 22. Projected Expenditures for Monitoring of WRDA Projects

Project ID	Project Name	FY 2020	FY 2021	FY 2022	Project Total (FY 2020 - FY 2022)
BA-0001	Davis Pond Freshwater Diversion	\$694,692	\$701,797	\$709,038	\$2,105,527
BS-0008	Caernarvon Freshwater Diversion	\$568,809	\$589,230	\$590,231	\$1,748,270
Total Expenditures (GOMESA)¹		\$1,263,502	\$1,291,027	\$1,299,269	\$3,853,798

Notes:

1- Monitoring expenditures of WRDA projects are subject to a 75% federal/25% state cost share. At present, CPRA is funding its 25% cost share of monitoring costs with GOMESA funds, and will seek reimbursement from the USACE for the 75% federal match.

Table 23. Projected Expenditures for Monitoring of Other Projects

Project ID	Project Name	FY 2020	FY 2021	FY 2022	Project Total (FY 2020 - FY 2022)
Berm to Barrier Projects¹					
BA-0040	Riverine Sand Mining/Scofield Island Restoration	\$84,532	\$5,920	\$5,920	\$96,372
BA-0110	Shell Island East	\$28,576	\$4,440	\$4,440	\$37,456
NFWF Projects					
BA-0143	Caminada Headland Beach and Dune Restoration Increment 2	\$351,312	\$291,312	\$351,312	\$993,936
NRDA Projects					
BA-0111	Shell Island West	\$26,512	\$91,312	\$134,966	\$252,790
BA-0141	NRDA Lake Hermitage Marsh Creation Increment 2	\$81,312	\$31,840	\$36,840	\$149,992
BA-0142	NRDA Cheniere Ronquille	\$26,512	\$91,312	\$114,328	\$232,152
TE-0100	NRDA Caillou Lake Headlands	\$131,312	\$141,312	\$164,588	\$437,212
Surplus Projects²					
BA-0045	Caminada Headland Restoration	\$86,840	\$0	\$0	\$86,840
USACE Mitigation Projects					
BA-0109	HSDRRS Mitigation - WBV	\$11,840	\$11,840	\$11,840	\$35,520
BA-0154	Previously Authorized Mitigation - WBV	\$11,840	\$11,840	\$11,840	\$35,520
BA-0158	New Orleans to Venice Mitigation - Plaquemines Non-Federal	\$7,400	\$7,400	\$7,400	\$22,200
BA-0159	New Orleans to Venice Mitigation - Federal	\$7,400	\$7,400	\$7,400	\$22,200
PO-0038-SF	MRGO Closure Structure	\$7,400	\$0	\$0	\$7,400
PO-0093	MRGO - Lake Borgne -Bayou Dupre Segment	\$7,400	\$0	\$0	\$7,400
PO-0094	MRGO - Lake Borgne -Bayou Bienvenue Segment	\$7,400	\$0	\$0	\$7,400
PO-0095	MRGO - Lake Borgne -Shell Beach Segment	\$7,400	\$0	\$0	\$7,400
PO-0121	HSDRRS Mitigation - LPV	\$7,400	\$7,400	\$7,400	\$22,200
PO-0145	LPV Task Force Guardian Mitigation - Bayou Sauvage	\$37,760	\$7,400	\$7,400	\$52,560
PO-0146	LPV Mitigation Project, Manchac WMA Marsh Creation	\$7,400	\$7,400	\$7,400	\$22,200
LOSCO Projects					
BA-0196	LOSCO- EML	\$36,840	\$31,840	\$36,840	\$105,520
LA-0278	General Oil Spill- LOSCO	\$11,840	\$11,840	\$11,840	\$35,520
LA-0283	Multiple Oil Spill- LOSCO	\$41,312	\$41,312	\$41,312	\$123,936
State-Only Projects					
PO-0142	Hydrologic Restoration of the Amite River Diversion Canal	\$53,463	\$33,078	\$39,814	\$126,355
PO-0148	Living Shoreline	\$72,275	\$43,875	\$2,960	\$119,110
PO-0152	Lake Borgne and MRGO Shoreline Protection	\$7,400	\$0	\$0	\$7,400
Total Expenditures		\$1,160,678	\$880,073	\$1,005,840	\$2,920,081
NFWF Expenditures		\$351,312	\$291,312	\$351,312	\$993,936
NRDA Expenditures		\$265,648	\$355,776	\$450,722	\$1,072,146
Surplus Expenditures		\$86,840	\$0	\$0	\$86,840
LOSCO Expenditures		\$89,992	\$84,992	\$89,992	\$264,976
Trust Fund Expenditures		\$366,886	\$147,993	\$113,814	\$628,693

Notes:

1- Monitoring expenditures funded with remaining Berm to Barrier funds (included in Trust Fund Carry Forward in Table 11).

2- Monitoring expenditures funded with Surplus funds (see Table 20).

Table 24. CWPRA Projects with O&M Budget Project Expenditures^{1,2,3}

Project No.	Project Name	FY 2020	FY 2021	FY 2022	Project Total (FY 2020 - FY 2022)
AT-0002	Atchafalaya Sediment Delivery	\$4,144	\$2,368	\$0	\$6,512
AT-0003	Big Island Mining	\$4,144	\$2,368	\$0	\$6,512
BA-0002	GIWW (Gulf Intracoastal Waterway) to Clovelly Hydrologic Restoration	\$450,020	\$17,368	\$0	\$467,388
BA-0003-C	Naomi Outfall Management	\$22,280	\$22,869	\$23,470	\$68,619
BA-0020	Jonathan Davis Wetland Protection	\$6,630	\$6,808	\$6,986	\$20,424
BA-0023	Barataria Bay Waterway West Side Shoreline Protection	\$6,453	\$0	\$0	\$6,453
BA-0026	Barataria Bay Waterway East Side Shoreline Protection	\$44,618	\$4,736	\$0	\$49,354
BA-0027	Barataria Basin Landbridge Shoreline Protection, Phases 1 and 2	\$27,900	\$2,368	\$4,736	\$35,004
BA-0027-C	Barataria Basin Landbridge Shoreline Protection, Phase 3	\$27,900	\$2,368	\$4,736	\$35,004



Table 24. CWPBRA Projects with O&M Budget Project Expenditures^{1,2,3}

BA-0027-D	Barataria Basin Landbridge Shoreline Protection Phase 4	\$127,840	\$2,368	\$4,736	\$134,944
BA-0034-2	Hydrologic Restoration and Vegetative Plantings in the des Allemands Swamp	\$24,144	\$4,736	\$4,736	\$33,616
BA-0035	Pass Chalant to Grand Bayou Pass Barrier Shoreline Restoration	\$4,973	\$5,032	\$5,150	\$15,155
BA-0037	Little Lake Shoreline Protection/ Dedicated Dredging Near Round Lake	\$55,920	\$4,736	\$4,736	\$65,392
BA-0038	Pelican Island and Pass La Mer to Chalant Pass Restoration	\$153,942	\$5,506	\$154,120	\$313,567
BA-0039	Bayou Dupont Sediment Delivery System	\$3,907	\$1,066	\$1,066	\$6,038
BA-0041	South Shore of the Pen Shoreline Protection and Marsh Creation	\$3,493	\$3,552	\$26,226	\$33,271
BA-0042	Lake Hermitage Marsh Creation	\$3,730	\$3,789	\$3,907	\$11,426
BA-0048	Bayou Dupont Marsh and Ridge Creation	\$148,985	\$6,867	\$6,986	\$162,838
BA-0068	Grand Liard Marsh and Ridge Restoration	\$291,465	\$6,867	\$7,045	\$305,377
BA-0164	Bayou Dupont Sediment Delivery- Marsh Creation 3	\$91,445	\$3,730	\$77,191	\$172,366
BA-0173	Bayou Grande Chenier Marsh and Ridge Restoration	\$0	\$0	\$21,554	\$21,554
BS-0003-A	Caernarvon Diversion Outfall Management	\$47,528	\$47,528	\$47,528	\$142,584
BS-0011	Delta Management at Fort St. Philip	\$6,038	\$6,216	\$6,453	\$18,707
BS-0016	South Lake Lery Shoreline and Marsh Restoration	\$5,920	\$5,920	\$5,920	\$17,760
CS-0004-A	Cameron-Creole Maintenance	\$254,600	\$254,600	\$539,600	\$1,048,800
CS-0011-B	Sweet Lake/Willow Lake Hydrologic Restoration	\$418,024	\$4,440	\$4,736	\$427,200
CS-0020	East Mud Lake Marsh Management	\$2,368	\$0	\$0	\$2,368
CS-0023	Replace Sabine Refuge Water Control Structures at Headquarters Canal, West Cove Canal, and Hog Island Gully	\$54,144	\$39,440	\$59,736	\$153,320
CS-0027	Black Bayou Hydrologic Restoration	\$14,144	\$14,440	\$14,736	\$43,320
CS-0028-2	Sabine Refuge Marsh Creation, Increment 2	\$438,880	\$438,880	\$438,880	\$1,316,640
CS-0028-4	Sabine Refuge Marsh Creation, Increment 4	\$70,745	\$4,440	\$4,736	\$79,921
CS-0028-5	Sabine Refuge Marsh Creation, Increment 5	\$70,745	\$4,440	\$4,736	\$79,921
CS-0029	Black Bayou Culverts Hydrologic Restoration	\$41,840	\$41,840	\$41,840	\$125,520
CS-0030	GIWW - Perry Ridge West Bank Stabilization	\$358,840	\$4,440	\$4,736	\$368,016
CS-0031	Holly Beach Sand Management	\$48,880	\$4,440	\$4,736	\$58,056
CS-0032	East Sabine Lake Hydrologic Restoration	\$4,736	\$4,736	\$4,736	\$14,208
CS-0049	Cameron-Creole Freshwater Introduction - Vegetative Plantings	\$474,800	\$54,440	\$54,736	\$583,976
CS-0054	Cameron-Creole Watershed Grand Bayou Marsh Creation	\$4,144	\$4,440	\$67,863	\$76,447
CS-0059	Oyster Bayou Marsh Creation & Terracing	\$4,144	\$88,321	\$4,736	\$97,201
LA-0003-B	Coastwide Nutria Control Program	\$3,316,939	\$3,316,939	\$3,316,939	\$9,950,817
LA-0039	Coastwide Plantings Program	\$39,128	\$39,128	\$39,128	\$117,384
ME-0004	Freshwater Bayou Wetland (Phases 1 & 2)	\$4,144	\$4,440	\$4,736	\$13,320
ME-0011	Humble Canal Hydrologic Restoration	\$29,144	\$19,440	\$19,736	\$68,320
ME-0013	Freshwater Bayou Bank Stabilization	\$4,144	\$4,440	\$4,736	\$13,320
ME-0014	Pecan Island Terracing	\$4,144	\$4,440	\$4,736	\$13,320
ME-0016	Freshwater Introduction South of Highway 82	\$14,144	\$14,440	\$14,736	\$43,320
ME-0018	Rockefeller Refuge Gulf Shoreline Stabilization	\$4,144	\$4,440	\$4,736	\$13,320
ME-0019	Grand-White Lakes Landbridge Protection	\$583,000	\$4,440	\$4,736	\$592,176
ME-0020	South Grand Chenier Hydrologic Restoration Project	\$4,144	\$4,440	\$4,736	\$13,320
ME-0021	Grand Lake Shoreline Protection (CIAP + Tebo Point)	\$14,144	\$14,440	\$14,736	\$43,320
ME-0022	South White Lake Shoreline Protection	\$4,144	\$4,440	\$4,736	\$13,320
MR-0009	Delta Wide Crevasses	\$1,017,760	\$5,920	\$5,920	\$1,029,600
PO-0006	Fritchie Marsh Restoration	\$4,677	\$4,795	\$0	\$9,472
PO-0016	Bayou Sauvage National Wildlife Refuge Hydrologic Restoration, Phase 1	\$1,480	\$1,480	\$4,203	\$7,163
PO-0018	Bayou Sauvage National Wildlife Refuge Hydrologic Restoration, Phase 2	\$1,480	\$1,480	\$1,480	\$4,440
PO-0022	Bayou Chevee Shoreline Protection	\$83,208	\$2,491,842	\$7,104	\$2,582,154
PO-0024	Hopedale Hydrologic Restoration	\$17,806	\$10,762	\$10,821	\$39,389
PO-0030	Lake Borgne Shoreline Protection	\$1,026,640	\$5,920	\$5,920	\$1,038,480
PO-0033	Goose Point/Point Platte Marsh Creation	\$79,277	\$4,026	\$4,144	\$87,447
PO-0075	Labranche East Marsh Creation	\$4,144	\$4,144	\$4,144	\$12,432
PO-0104	Bayou Bonfouca Marsh Creation Project	\$8,880	\$20,422	\$0	\$29,302
PO-0133	Labranche Central Marsh Creation	\$4,144	\$4,144	\$4,144	\$12,432
TE-0022	Point au Fer Canal Plugs	\$5,920	\$2,368	\$0	\$8,288
TE-0023 (USACE)	West Belle Pass Headland Restoration	\$5,920	\$2,368	\$0	\$8,288
TE-0026	Lake Chapeau Sediment Input and Hydrologic Restoration, Point Au Fer Island	\$144,736	\$2,368	\$0	\$147,104
TE-0028	Brady Canal Hydrologic Rest.	\$611,840	\$2,368	\$0	\$614,208
TE-0034	Penchant Basin Natural Resources Plan Increment 1	\$124,840	\$4,736	\$4,736	\$134,312
TE-0037	New Cut Dune and Marsh Restoration	\$20,464	\$7,736	\$7,736	\$35,936
TE-0039	South Lake Decade Freshwater Introduction	\$4,736	\$4,736	\$4,736	\$14,208
TE-0043	GIWW Bank Restoration of Critical Areas in Terrebonne	\$14,736	\$4,736	\$4,736	\$24,208
TE-0044	North Lake Mechant Landbridge Restoration	\$1,773,855	\$4,736	\$4,736	\$1,783,327
TE-0045	Terrebonne Bay Shore Protection Demonstration	\$475,584	\$2,368	\$0	\$477,952
TE-0046	West Lake Boudreaux Shoreline Protection and Marsh Creation	\$5,565	\$5,565	\$4,736	\$15,866
TE-0048	Raccoon Island Shoreline Protection/Marsh Creation	\$5,920	\$4,736	\$4,736	\$15,392
TE-0050	Whiskey Island Back Barrier Marsh Creation	\$7,236	\$7,736	\$7,736	\$22,708
TE-0052	West Belle Pass Barrier Headland Restoration	\$4,736	\$4,736	\$4,736	\$14,208
TE-0072	Lost Lake Marsh Creation and Hydrologic Restoration	\$86,840	\$83,880	\$83,880	\$254,600
TV-0004	Cote Blanche Hydrologic Restoration	\$102,760	\$2,202,760	\$877,760	\$3,183,280
TV-0012	Little Vermilion Bay Sediment Trapping	\$58,288	\$4,440	\$4,736	\$67,464
TV-0013-A	Oaks/Avery Canal Hydrologic Restoration, Increment 1	\$4,144	\$4,440	\$4,736	\$13,320
TV-0014	Marsh Island Hydrologic Restoration	\$4,144	\$4,440	\$4,736	\$13,320
TV-0015	Sediment Trapping at "The Jaws"	\$57,104	\$4,440	\$4,736	\$66,280
TV-0017	Lake Portage Land Bridge	\$4,144	\$4,440	\$4,736	\$13,320
TV-0018	Four Mile Canal Terracing and Sediment Trapping	\$37,104	\$4,440	\$4,736	\$46,280
TV-0021	East Marsh Island Marsh Creation	\$39,774	\$39,774	\$4,736	\$84,284
TV-0063	Coles Bayou Marsh Restoration	\$4,144	\$4,440	\$4,736	\$13,320
TOTAL CWPBRA O&M Expenditures		\$13,699,846	\$9,541,690	\$6,202,283	\$29,443,820
Federal CWPBRA O&M Expenditures		\$11,644,869	\$8,110,437	\$5,271,941	\$25,027,247
State CWPBRA O&M Expenditures		\$2,054,977	\$1,431,254	\$930,343	\$4,416,573

Notes:

1. Table shows all approved CWPBRA projects. Demonstration and vegetative planting projects are not shown as they have no O&M budgets. Other projects without O&M budgets have "None" entered in the budget columns. Projects not scheduled to complete within a given year have "Not Constructed" entered in the budget column(s).

2. State share is based on CWPBRA cost share of 85% Federal/15% State except for PPL 5-6 projects, which have a 90% Federal/10% State cost share.

3. Projects that the USACE is responsible for O&M are indicated by (USACE) after the project number.

Table 25. O&M Projected Expenditures for CWPPRA Projects without Federal Cost Share

Project ID	Project Name	FY 2020	FY 2021	FY 2022	Project Total (FY 2020 - FY 2022)
TE-0020	Isles Dernieres Restoration East Island	\$7,736	\$7,736	\$7,736	\$23,208
TE-0024	Isles Dernieres Restoration Trinity Island	\$7,736	\$7,736	\$7,736	\$23,208
TE-0025	East Timbalier Island Sediment Restoration, Phase 1	\$7,736	\$4,736	\$4,736	\$17,208
TE-0027	Whiskey Island Restoration	\$7,736	\$7,736	\$7,736	\$23,208
TE-0030	East Timbalier Island Sediment Restoration, Phase 2	\$7,736	\$4,736	\$4,736	\$17,208
TE-0040	Timbalier Island Dune and Marsh Restoration	\$7,736	\$7,736	\$7,736	\$23,208
Total Expenditures		\$46,416	\$40,416	\$40,416	\$127,248

Table 26. Projected Expenditures for O&M of WRDA Projects

Project ID	Project Name	FY 2020	FY 2021	FY 2022	Project Total (FY 2020 - FY 2022)
BA-0001	Davis Pond Freshwater Diversion	\$1,157,438	\$1,132,979	\$1,132,979	\$3,423,396
BS-0008	Caernarvon Freshwater Diversion	\$148,664	\$148,664	\$148,664	\$445,992
Total Expenditures (GOMESA)¹		\$1,306,102	\$1,281,643	\$1,281,643	\$3,869,388

Notes:

1- O&M expenditures of WRDA projects are subject to a 75% federal/25% state cost share. At present, CPRA is funding its 25% cost share of O&M costs with GOMESA funds, and will seek reimbursement from the USACE for the 75% federal match.



Table 27. Projected Expenditures for O&M of Other Projects

Project ID	Project Name	FY 2020	FY 2021	FY 2022	Project Total (FY 2020 - FY 2022)
Hurricane Protection Projects					
BA-0066	West Bank and Vicinity ¹	\$481,249	\$539,831	\$467,578	\$1,488,657
BA-0067	New Orleans and Vicinity ¹	\$291,104	\$335,659	\$325,332	\$952,095
LA-0154	FEMA LAMP ¹	\$144,294	\$119,436	\$0	\$263,730
LA-0206	HSDRRS Armoring ¹	\$305,344	\$320,611	\$343,194	\$969,149
LA-0253	Flood Protection Inspections ¹	\$282,404	\$304,025	\$319,226	\$905,655
LA-0269	CPRA Letter of No Objection	\$485,888	\$510,182	\$535,692	\$1,531,762
LA-0271	O&M Division State Wide Levee Board Meetings	\$142,122	\$149,228	\$156,690	\$448,040
PO-0057	SELA- Overall ¹	\$168,589	\$171,018	\$160,177	\$499,784
PO-0060	Permanent Canal Closures and Pump Stations ¹	\$409,325	\$264,791	\$51,018	\$725,134
PO-0063	Lake Pontchartrain and Vicinity ¹	\$552,330	\$579,946	\$501,423	\$1,633,699
PO-0096	Flood Protection Assistance ¹	\$1,365,398	\$1,433,668	\$777,227	\$3,576,293
TV-0066	Teche Vermilion Freshwater District ¹	\$0	\$0	\$0	\$0
USACE Mitigation Projects					
BA-0109	HSDRRS Mitigation - WBV	\$12,787	\$18,944	\$18,944	\$50,675
BA-0154	Previously Authorized Mitigation - WBV	\$12,787	\$18,944	\$18,944	\$50,675
BA-0158	New Orleans to Venice Mitigation - Plaquemines Non-Federal	\$7,104	\$7,104	\$7,104	\$21,312
BA-0159	New Orleans to Venice Mitigation - Federal	\$7,104	\$7,104	\$7,104	\$21,312
PO-0038SF	MRGO Closure Structure	\$62,080	\$62,080	\$62,080	\$186,240
PO-0093	MRGO - Lake Borgne -Bayou Dupre Segment	\$7,992	\$7,992	\$7,992	\$23,976
PO-0094	MRGO - Lake Borgne -Bayou Bienvenue Segment	\$7,992	\$7,992	\$7,992	\$23,976
PO-0095	MRGO - Lake Borgne -Shell Beach Segment	\$7,992	\$7,992	\$7,992	\$23,976
PO-0121	HSDRRS Mitigation - LPV	\$39,862	\$39,862	\$39,862	\$119,585
PO-0145	LPV Task Force Guardian Mitigation - Bayou Sauvage	\$18,944	\$18,944	\$18,944	\$56,832
PO-0146	LPV Mitigation Project, Manchac WMA Marsh Creation	\$13,287	\$18,944	\$13,287	\$45,518
PO-0152	Lake Borgne and MRGO Shoreline Protection	\$7,992	\$7,992	\$7,992	\$23,976
NFWF Projects					
BA-0143	Caminada Headland Beach and Dune Restoration INCR 2	\$63,288	\$8,288	\$0	\$71,576
State-Only Projects					
BA-0003	Naomi Siphon	\$12,340	\$12,340	\$12,340	\$37,020
BA-0004	West Point a la Hache Siphon	\$12,340	\$12,340	\$12,340	\$37,020
BA-0005	Fort Livingston	\$91,020	\$27,996	\$27,996	\$147,012
CS-0002	Rycade Canal	\$0	\$0	\$0	\$0
LA-0013	Coastal Forest Conservation Initiative	\$300,000	\$300,000	\$300,000	\$900,000
LA-0273	Gulf Coast Joint Venture and Partnerships	\$8,688	\$8,688	\$8,688	\$26,064
ME-0001	Pecan Island Structure	\$19,144	\$19,440	\$19,736	\$58,320
PO-0001	Violet Siphon	\$328,208	\$25,840	\$25,840	\$379,888
PO-0036	Orleans Landbridge	\$7,104	\$7,104	\$7,104	\$21,312
PO-0072	Biloxi Marsh	\$40,357	\$40,357	\$40,357	\$121,070
PO-0142	Hydrologic Restoration of the Amite River Diversion Canal	\$13,287	\$13,287	\$13,287	\$39,862
PO-0148	Living Shoreline	\$56,889	\$37,888	\$56,889	\$151,666
TE-0001	Montegut Wetlands	\$5,920	\$0	\$0	\$5,920
TE-0003	Bayou LaCache Wetlands	\$0	\$0	\$0	\$0
TV-0072	Quintana Canal	\$2,035,035	\$14,440	\$14,736	\$2,064,211
TV-0013-B	Avery Canal	\$84,144	\$14,440	\$14,736	\$113,320
N/A	Maintenance Surveys	\$33,744	\$33,744	\$33,744	\$101,232
N/A	GPS Network (continued development and maintenance)	\$79,144	\$79,440	\$79,736	\$238,320
Total Expenditures		\$8,024,623	\$5,607,922	\$4,523,321	\$18,155,866
Surplus Expenditures		\$2,837,200	\$2,880,080	\$1,930,246	\$7,647,526
Trust Fund Expenditures		\$5,187,423	\$2,727,842	\$2,593,075	\$10,508,340

Notes:

1- Expenditures funded with Surplus funds (see Table 20).

Table 28. Oil Spill Projected Expenditures¹

Project ID	Project Name	FY 2020	FY 2021	FY 2022	Project Total (FY 2020 - FY 2022)
Deepwater Horizon NRDA					
AT-0019	Atchafalaya WMA Boat Launch	\$682,360	\$168,090	\$0	\$850,450
AT-0020	Atchafalaya WMA Campground Improvements	\$2,105,200	\$880,800	\$0	\$2,986,000
BA-0153	Mid-Barataria Sediment Diversion (Construction)	\$0	\$100,000	\$145,000,000	\$145,100,000
BA-0202	Queen Bess Island Restoration	\$11,500,000	\$500,000	\$0	\$12,000,000
BA-0203	Barataria Basin Ridge and Marsh Restoration-Spanish Pass Increment	\$1,875,000	\$60,000,000	\$58,000,000	\$119,875,000
BA-0207	Large-Scale Barataria Marsh Creation	\$125,100	\$100,000	\$100,000	\$325,100
BA-0213	Bayou Segnette State Park Improvements	\$1,926,379	\$0	\$0	\$1,926,379
BA-0214	Grand Isle State Park Improvements	\$6,003,974	\$0	\$0	\$6,003,974
CS-0080	Rabbit Island Restoration	\$1,300,000	\$21,000,000	\$0	\$22,300,000
LA-0300	NRDA Outcome-Based Performance Contracting	\$1,300,000	\$6,500,000	\$35,750,000	\$43,550,000
ME-0036	Rockefeller Piers and Signage	\$461,500	\$193,500	\$0	\$655,000
MR-0169	Pass-a-Loutre Crevasses NRDA	\$1,171,000	\$300,000	\$0	\$1,471,000
MR-0170	Pass-a-Loutre Campgrounds NRDA	\$1,132,000	\$400,000	\$0	\$1,532,000
PO-0180	Lake Borgne Marsh Creation- Increment 1	\$3,000,000	\$75,000,000	\$45,000,000	\$123,000,000
PR-0001	Middle Pearl River WMA Boat Launch	\$543,000	\$0	\$0	\$543,000
TE-0139	Terrebonne Basin Ridge and Marsh Creation- Bayou Terrebonne Increment	\$1,950,000	\$2,000,000	\$40,000,000	\$43,950,000
TE-0144	Island Road Fishing Piers	\$2,339,000	\$0	\$0	\$2,339,000
TE-0146	Pointe-aux-Chenes WMA Enhancements	\$4,600,000	\$0	\$0	\$4,600,000
TV-0081	Cypremort Point State Park Improvements	\$1,000,000	\$3,231,871	\$0	\$4,231,871
N/A	NRDA Replenish and Protect Living Coastal and Marine Resources	\$13,000,000	\$2,000,000	\$26,000,000	\$41,000,000
N/A	NRDA Recreational Use 1 (External Lead) ²	\$14,500,000	\$2,500,000	\$1,000,000	\$18,000,000
N/A	NRDA Recreational Use 2 (External Lead) ²	\$4,786,834	\$1,196,708	\$0	\$5,983,542
N/A	NRDA Restoration Planning	\$2,356,906	\$2,346,016	\$2,062,575	\$6,765,497
N/A	NRDA Nutrient Reduction	\$3,000,000	\$3,000,000	\$3,000,000	\$9,000,000
N/A	Regionwide Trustee Implementation Group	\$1,000,000	\$1,000,000	\$1,000,000	\$3,000,000
N/A	NRDA Adaptive Management	\$13,830,000	\$12,163,312	\$15,051,545	\$41,044,857
N/A	NRDA OM&M (See Table 22)	\$265,648	\$355,776	\$450,722	\$1,072,146
Total Deepwater Horizon NRDA Expenditures		\$95,753,901	\$194,936,073	\$372,414,842	\$663,104,816
NFWF Projects					
BA-0153	Mid-Barataria Sediment Diversion (E&D)	\$40,000,000	\$25,000,000	\$6,834,029	\$71,834,029
BS-0030	Mid-Breton Sediment Diversion	\$20,000,000	\$18,000,000	\$21,000,000	\$59,000,000
LA-0276	Sediment Diversion Management	\$4,600,000	\$3,000,000	\$1,500,000	\$8,500,000
TE-0110	Increase Atchafalaya Flow to Eastern Terrebonne	\$4,982,200	\$5,449,090	\$5,449,090	\$15,880,381
TE-0143	Terrebonne Basin Barrier Island and Beach Nourishment ³	\$80,000,000	\$67,197,688	\$10,125,000	\$157,322,688
N/A	NFWF Adaptive Management	\$8,377,159	\$5,019,713	\$6,722,856	\$20,119,728
N/A	NFWF OM&M (See Table 22)	\$351,312	\$291,312	\$351,312	\$993,936
Total NFWF Expenditures		\$157,710,671	\$123,957,803	\$51,982,288	\$333,650,762
RESTORE Projects					
BA-0197	West Grand Terre Beach Nourishment and Stabilization	\$4,200,000	\$10,729,606	\$64,377,637	\$79,307,243
MR-0168	Lowermost Mississippi River Management Program	\$3,000,000	\$3,000,000	\$0	\$6,000,000
CS-0065	Calcasieu Ship Channel Salinity Control Measures	\$4,600,000	\$1,000,000	\$40,000,000	\$45,600,000
PO-0029	River Reintroduction into Maurepas Swamp	\$4,730,000	\$20,440,381	\$53,670,240	\$78,840,621
PO-0163	Golden Triangle Marsh Creation	\$21,662,930	\$35,000,000	\$0	\$56,662,930
PO-0174	Biloxi Marsh Living Shoreline	\$931,087	\$21,500,000	\$28,972,313	\$51,403,400
TE-0113	Houma Navigation Canal Lock Complex	\$30,000,000	\$98,479,786	\$80,000,000	\$208,479,786
N/A	RESTORE Adaptive Management	\$7,080,000	\$5,782,580	\$5,937,371	\$18,799,951
N/A	RESTORE Bucket 2 Planning Grants	\$500,000	\$500,000	\$300,000	\$1,300,000
N/A	Parish Matching Program- Projects ^{4,5}	\$10,000,000	\$6,000,000	\$0	\$16,000,000
N/A	Parish Matching Program- CPRA Costs	\$625,000	\$375,000	\$254,849	\$1,254,849
N/A	RESTORE Center of Excellence	\$2,000,000	\$1,500,000	\$1,500,000	\$5,000,000
Total RESTORE Expenditures		\$89,329,017	\$204,307,352	\$275,012,410	\$568,648,779
Total Oil Spill Expenditures		\$342,793,589	\$523,201,229	\$699,409,539	\$1,565,404,358

Notes:

1- Red font denotes projected expenditures for which funding has not yet been procured.

2- See Table 30 for list of projects.

3- Project will utilize funding initially approved for East Timbalier Island Restoration (TE-0118).

4- Expenditures represent potential matching funds for project implementation to eligible parishes identified in 33 U.S.C. §1321(t)(1)(D)(II) provided that the project constitutes an eligible activity under 31 C.F.R. §§ 34.201 and 34.203 and meets the purposes identified in La. R.S. 49:214.5.4(G) & (I).

5- See Table 31 for list of projects.



Table 29. GOMESA Projected Expenditures

Project ID	Project Name	FY 2020	FY 2021	FY 2022	Project Total (FY 2020 - FY 2022)
AT-0017	Bayou Chene Floodgate	\$50,000,000	\$20,000,000	\$5,000,000	\$75,000,000
BA-0075-2	Rosethorne Basin Phase 1 & 2 (LAILD)	\$4,000,000	\$7,000,000	\$0	\$11,000,000
BA-0210	Grand Isle & Vicinity Beach Stabilization (GIIL)	\$10,357,808	\$0	\$0	\$10,357,808
BA-0216	Magnolia Ridge Levee Lift and Road (St. Charles Parish)	\$3,000,000	\$0	\$0	\$3,000,000
BA-0218	Levee Improvements for Gheens Community (NLLD)	\$1,000,000	\$0	\$0	\$1,000,000
BA-0219	Davis Pond Upper Barataria Risk Reduction (LBLD)	\$500,000	\$700,000	\$5,300,000	\$6,500,000
BA-0220	Sunset Levee Upper Barataria Risk Reduction (UBRR) (LBLD)	\$1,200,000	\$2,300,000	\$0	\$3,500,000
BA-0221	Pumping Capacity Improvements Phase 1 (BLFWD)	\$1,300,000	\$1,300,000	\$3,000,000	\$5,600,000
BA-0222	NOV-NF Drainage Canal Relocation (Plaquemines Parish)	\$7,500,000	\$0	\$0	\$7,500,000
BA-0231	Storm Surge Risk Reduction for Reach E-North (SLLD)	\$1,500,000	\$0	\$0	\$1,500,000
BA-0232	Des Allemands FDA Pump Station Rehabilitation (NLLD)	\$400,000	\$0	\$0	\$400,000
PO-0062	West Shore Lake Pontchartrain (PLD)	\$4,500,000	\$0	\$0	\$4,500,000
PO-0184	St. Tammany Storm Surge Risk Reduction (St. Tammany Parish)	\$100,000	\$3,000,000	\$3,000,000	\$6,100,000
TE-0147	Hollywood Canal Closure Structure (NLLD)	\$0	\$1,427,500	\$5,100,000	\$6,527,500
TE-0148	40 Arpent Canal Levee- Lockport Co. Canal to Butch Hill Station (NLLD)	\$6,450,000	\$0	\$0	\$6,450,000
TE-0149	Bayou Lil Bleu Structure (SLLD)	\$1,300,000	\$0	\$0	\$1,300,000
TE-0150	Reach L (SLLD)	\$6,000,000	\$0	\$0	\$6,000,000
TE-0151	Grand Bayou Floodgate (SLLD)	\$9,000,000	\$9,500,000	\$0	\$18,500,000
TE-0152	Storm Surge Risk Reduction for US-90 at Bayou Folse (NLLD)	\$1,500,000	\$0	\$0	\$1,500,000
N/A	GOMESA CPRA Allocation	\$2,100,000	\$2,100,000	\$2,100,000	\$6,300,000
N/A	GOMESA OM&M- Diversions	\$2,569,604	\$7,572,670	\$11,936,629	\$22,078,903
N/A	GOMESA Adaptive Management (See Table 10)	\$4,035,000	\$4,635,000	\$4,650,000	\$13,320,000
N/A	Future GOMESA Projects (TBD) ¹	\$0	\$21,521,359	\$62,873,914	\$84,395,273
Total Expenditures		\$118,312,412	\$81,056,529	\$102,960,543	\$302,329,484

Notes:

1- GOMESA funding in outlying years is contingent upon receipt of sufficient funding. Projects proposed to begin receiving funding in

FY 2020-2021 include the following:

- Goose Bayou (Penn Levee) (LAILD)- FY 2021
- 100-yr Levee Lift: NOV-NF-W-4, Oakville to LaReusitte and MRL 179 (Plaquemines Parish)- FY 2021
- Kellog Pump Station T-Wall (St. Charles Parish)- FY 2021
- Magnolia Ridge Levee Pipeline and T-Wall (St. Charles Parish)- FY 2021
- Storm Surge Risk Reduction for Reach D-South (SLLD)- FY 2021
- Reach F Berm Improvement (SLLD)- FY 2022
- Floodwall Improvement for Golden Meadow Pump Station (SLLD)- FY 2022
- HNC Lock Complex (TLCD)- FY 2022

► **Table 30: List of Approved NRDA Recreational Use Projects**

Project ID	Project Name	Implementing Agency	Total Project Estimate
AT-0019	Atchafalaya Delta WMA Boat Access	CPRA	\$920,450
AT-0020	Atchafalaya Delta WMA Campgrounds	CPRA	\$3,248,000
BA-0213	Bayou Segnette State Park Improvements	State Parks	\$2,126,724
BA-0214	Grand Isle State Park Improvements	CPRA	\$6,126,967
ME-0036	Rockefeller Piers and Signage	CPRA	\$690,000
MR-0169	Pass a Loutre WMA Crevasse Access	CPRA	\$1,568,000
MR-0170	Pass a Loutre WMA Campgrounds	CPRA	\$1,624,000
PR-0001	Middle Pearl WMA Boat Launch	CPRA	\$575,000
TE-0144	Island Road Fishing Piers	CPRA	\$3,000,000
TE-0146	Pointe-aux-Chenes WMA Enhancements	CPRA	\$5,012,000
TV-0081	Cypremort Point State Park Improvements	CPRA	\$4,477,338
LA-0298	Statewide Artificial Reefs	LDWF	\$6,000,000
BA-0208	Elmer's Island Access	LDWF	\$6,000,000
CS-0084	Sam Houston Jones State Park Improvements	State Parks	\$2,425,250
BS-0036	St. Bernard State Park Improvements	State Parks	\$1,098,625
Not Avail.	Lake Charles Science Center	LDWF	\$7,000,000
Not Avail.	Chitimacha Boat Launch	Chitimacha Tribe	\$650,000
Not Avail.	WHARF Phase 1	City of Westwego	\$995,000
Not Avail.	The Wetlands Center	Town of Lafitte	\$2,000,000
Not Avail.	Jean Lafitte Improvements	DOI	\$1,284,062
Not Avail.	Des Allemands Boat Launch	St. Charles Parish	\$1,841,116
Not Avail.	Improvements to Grand Avoille Boat Launch	St. Mary's Parish	\$247,426
Not Avail.	Belle Chasse	Plaquemines	\$250,000

► **Table 31: List of Approved RESTORE Parish Matching Projects**

Project ID	Project Name	Active Phase	Parish	Total Project Estimate
ME-0035	Rockefeller Shoreline Stabilization	CON	Cameron	\$6.67 M
TE-0145	Grand Bayou Freshwater Reintroduction	E&D	Lafourche	\$412,722
BS-0034	Lake Lery Marsh Creation	CON	St. Bernard	\$2.78 M
BA-0209	Paradis Canal Gate	CON	St. Charles	\$2.54 M
PO-0183	Manchac Landbridge Shoreline Protection	E&D, CON	Tangipahoa	\$3 M



List of Acronymns

Acronymn	Full Name
BERM	Berm to Barrier
BIMP	Barrier Island Maintenance Program
BLFWD	Bayou Lafourche Freshwater District
BP	British Petroleum
CDBG	Community Development Block Grant
CIAP	Coastal Impact Assistance Program
CON	Construction
CPR	Coastal Protection and Restoration (Trust Fund)
CPRA	Coastal Protection and Restoration Authority
CRMS	Coastwide Reference Monitoring System
CWPPRA	Coastal Wetlands Planning, Protection and Restoration Act
DOI	Department of the Interior
DOTD	Department of Transportation and Development
DWH	Deepwater Horizon
E&D	Engineering and Design
EIS	Environmental Impact Statement
E-North	SLLD Levee reach
EPA	Environmental Protection Agency
E-South	SLLD Levee reach
FEMA	Federal Emergency Management Agency
FQ	Fiscal Quarter
FY	Fiscal Year
GIILD	Grand Isle Independent Levee District
GIWW	Gulf Intracoastal Waterway
GOMESA	Gulf of Mexico Energy Security Agency
GPS	Global Positioning System
HDDA	Hopper Dredge Disposal Area
HSDRRS	Greater New Orleans Hurricane and Storm Damage Risk Reduction System
HUD	United States Department of Housing and Urban Development
JBE	John Bel Edwards
LAILD	Lafourche Area Independent Levee District
LAMP	Louisiana Mapping Program
LBLD	Lake Borgne Levee District
LCA	Louisiana Coastal Area
LDWF	Louisiana Department of Wildlife and Fisheries
LERRDS	Land, Easements, Rights of Way, Relocation, and Disposal Sites
LF	Linear Feet

Acronymn	Full Name
LOSCO	Louisiana Oil Spill Coordinator's Office
LPV	Lake Pontchartrain & Vicinity
MOEX	Mitsui Oil Exploration
MRGO	Mississippi River Gulf Outlet
NFWF	National Fish and Wildlife Foundation
NLLD	North Lafourche Levee District
NOAA	National Oceanic and Atmospheric Administration
NOV-NF	New Orleans to Venice – Non-Federal
NRCS	National Resource Conservation Service
NRDA	Natural Resource Damage Assessment
O&M	Operations and Maintenance
OCM	Office of Coastal Management
OCPR	Office of Coastal Protection and Restoration
OM&M	Operations, Maintenance and Monitoring
OTS	Office of Technology Services
PLD	Pontchartrain Levee District
PLN	Planning
PPL	Priority Project List
PROG	Program
R.S.	Revised Statute
RESTORE	Resources and Ecosystems Sustainability, Tourist Opportunities, and Revived Economies
SELA	Southeast Louisiana
SLLD	South Lafourche Levee District
SPER	Shoreline Protection Emergency Restoration
SSPM	Small Scale Physical Model
SWAMP	System Wide Assessment and Monitoring Program
TBD	To be Determined
TFU	Task Force Unwatering
UBRR	Upper Barataria Risk Reduction
USACE	United States Army Corps of Engineers
USFWS	Department of Interior – U.S. Fish and Wildlife Service
WBV	West Bank and Vicinity
WHARF	Wetlands Harbor Activities Recreational Facility
WMA	Wildlife Management Area
WRDA	Title VII Water Resource Development Act

Acronymn	Full Name
Basin ID	
AT	Atchafalaya
BA	Barataria
BS	Breton Sound
CS	Calcasieu Sabine
LA	Louisiana
ME	Mermentau
MR	Mississippi River
PO	Pontchartrain
PR	Pearl River
TE	Terrebonne
TV	Teche Vermilion

Acronymn	Full Name
Project Type	
BH	Barrier Island/Headland
FD	Freshwater Diversion
HP	Hurricane Protection
HR	Hydrologic Restoration
IN	Infrastructure
MC	Marsh Creation
OR	Oyster Barrier Reef
OT	Other
SP	Shoreline Protection

Appendices online at:

Coastal.la.gov/our-plan/annual-plan

Appendix A

Ongoing Protection and Restoration Project Summaries

Appendix B

Barrier Island Status Report

Appendix C

Inventory of Non-State Projects

Appendix D

CPRA FY 2020 Capital Outlay Requests

Appendix E

Atchafalaya Basin Annual Plan





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Louisiana Coastal Protection and Restoration Authority is the single state entity with authority to develop, articulate, implement, and enforce a comprehensive coastal Master Plan of unified vision, to reduce tropical storm surge flood impact, to restore our bountiful natural resources, to build land to protect our nation's critical energy infrastructure, and to secure Louisiana's coast now and for future generations.