



INTRODUCTION TO THE CPRA AUGUST 29, 2019 CHIP KLINE

EXECUTIVE ASSISTANT TO THE GOVERNOR, COASTAL ACTIVITIES CHAIRMAN, COASTAL PROTECTION AND RESTORATION AUTHORITY BOARD

Presentation to Restore or Retreat Candidate Forum

committed to our coast

Louisiana Faces a Coastal Crisis



55 >

12

110

110

10

2,006 SQUARE MILES OF LAND LOST

Land Gain

Land Loss

1932 – 2016

Causes of Land Loss Today

evees







Oil Spill

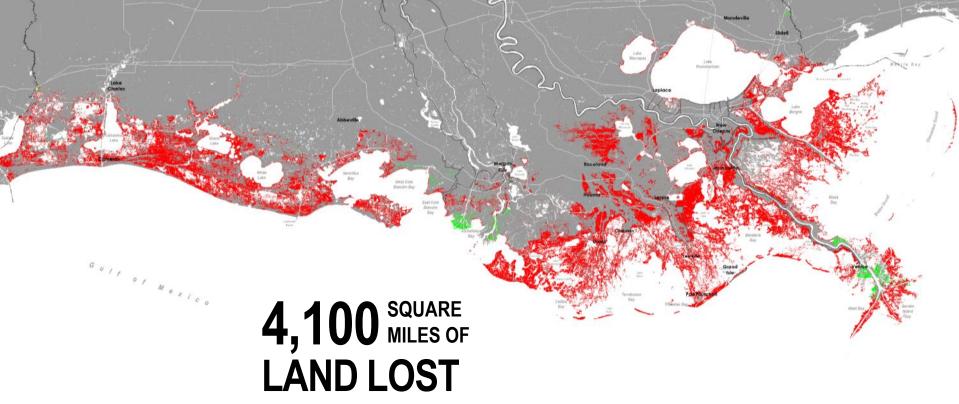
Oil and Gas Infrastructure



Canals

Future Without Action | Medium Scenario | Year 50







Hurricanes Katrina and Rita: New Beginning

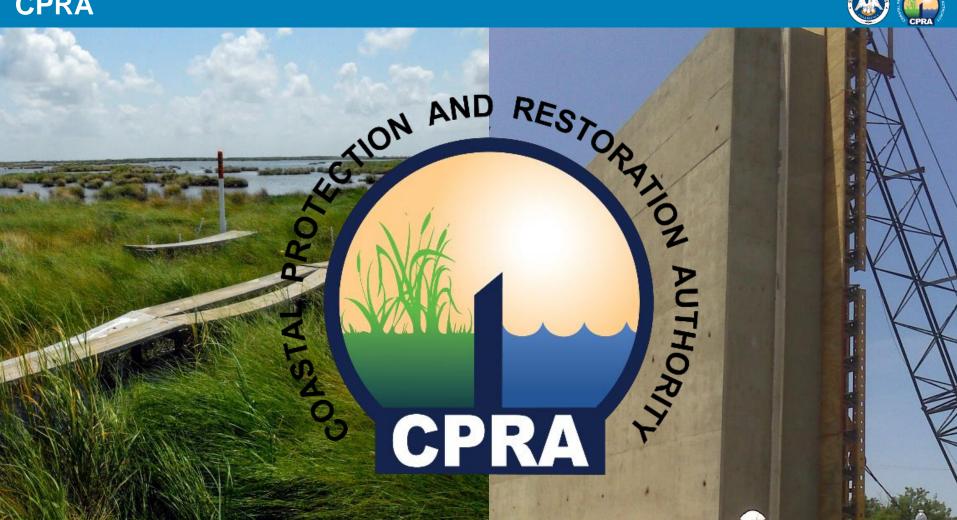
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CPRA



CPRA BOARD MEMBERSHIP

6











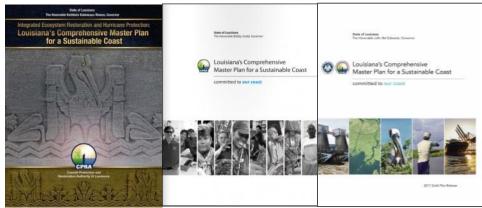
Master Plan: Project Selection Decision Drivers





A Framework to Make Difficult Decisions

- Updated every 6 years
- Articulates an integrated and comprehensive vision
- Provides a list of projects
- Resource constrained





Master Plan: Project Selection Decision Drivers





REDUCING FLOOD RISK

BUILDING/ MAINTAINING LAND

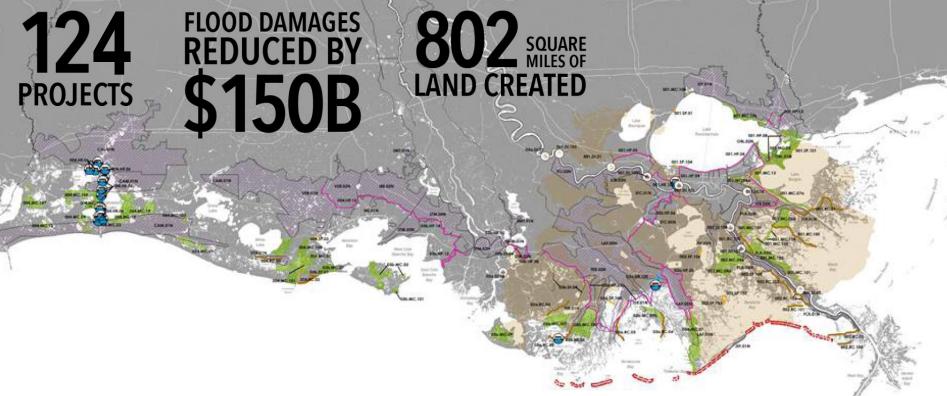
Publically informed: MP17 Engagement





What the Master Plan 2017 Delivers





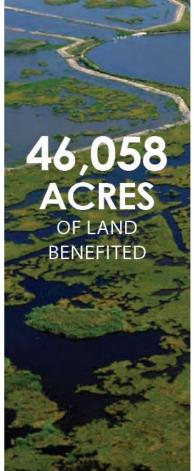
- HYDROLOGIC RESTORATION
 HYDROLOGIC RESTORATION
 MARSH CREATION
- RIDGE RESTORATION
 SHORELINE RESTORATION
 STDUCTUDAL DROTECTION
 - STRUCTURAL PROTECTION
- SEDIMENT DIVERSION
 SEDIMENT DIVERSION
 SEDIMENT DIVERSION
- BARRIER ISLAND RESTORATION

Accomplished since 2007









315 MILES OF LEVEE IMPROVEMENT

60 MILES OF BARRIER ISLANDS & BERMS CONSTRUCTED

The Storms...





2005 Hurricanes Katrina and Rita



201(BP Oil Spill



Unnamed Coastal System "Rain Bomb"



Total Projected Expenditures FY20, FY21, FY22



FY20 TOTAL Projected Expenditures \$748 Million FY21 TOTAL **FY22 TOTAL Projected Expenditures Projected Expenditures** \$788 Million \$945 Million

Construction

Operation, Maintenance, Monitoring

Programs

Operating Costs

Planning

Engineering & Design



PROJECT TYPE	#	Total Estimated Cost
Barrier Island/Headland Restoration	2	\$182,284,094.00
Hurricane Protection	13	\$595,615,533.00
Marsh Creation	6	\$298,193,890.00
Vegetative Planting	1	\$126,000,000.00
Recreational Infrastructure	2	\$8,000,000.00
Diversion (Atchafalaya to Terrebonne)	1	\$415,215,000.00
Grand Total	25	\$1,625,308,517.00

Terrebonne/Lafourche Barrier Islands





Bayou Chene Barge Gate



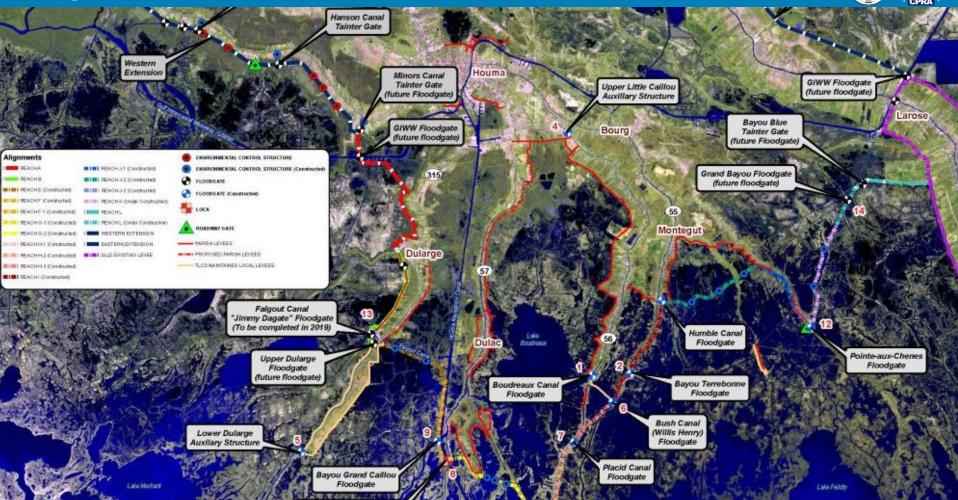


Houma Navigation Canal Lock

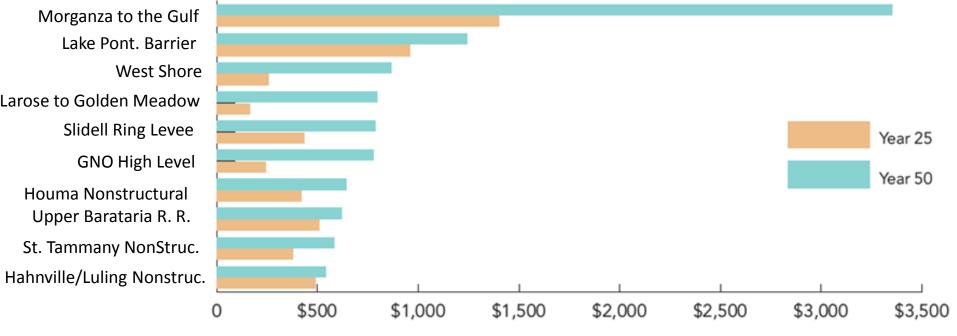




Morganza to the Gulf







Expected Annual Damage Reduction (in millions)

STATE Investments to Date: \$281.6M

DOTD

Statewide Flood

Control

3.0%

Surplus

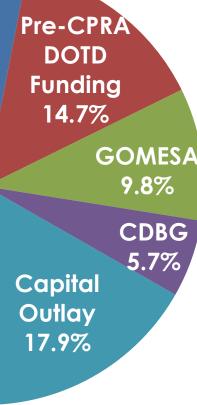
48.8%

\$235M CPRA

- \$25.8M GOMESA
- \$15.1M CDBG
- \$47.1M Capital Outlay
- \$128.5M Surplus
- \$18.5M RESTORE

\$38.6 Pre-CPRA DOTD Funding

\$8M DOTD Statewide Flood Control







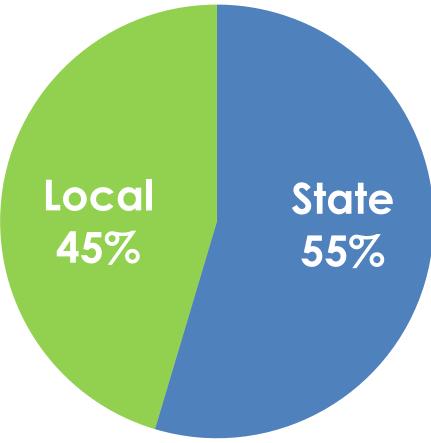
Parish Investments

\$159M Bonds

\$41M Sales Tax

\$34M Parish CDBG

Total Funding State and Local: \$515.6 Million





- In 1992, Congress directed Corps to do a study
- In 2000 and 2007, authorization sought from Congress
- In 2014, MtG received \$10.3 billion authorization
- Today, \$72 million of federal funding have been spent on studies and \$0 on construction.

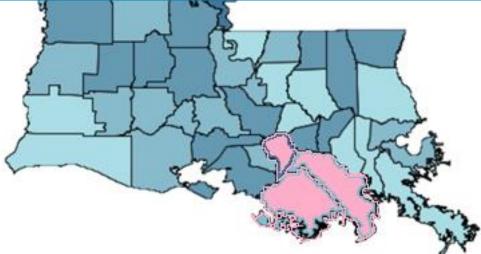
Meanwhile....

55 miles of continuous Levee protection, floodgates, and environmental structures have been constructed and 5 more miles are anticipated by 2020 24

Houma Region (Assumption, Lafourche, Terrebonne)



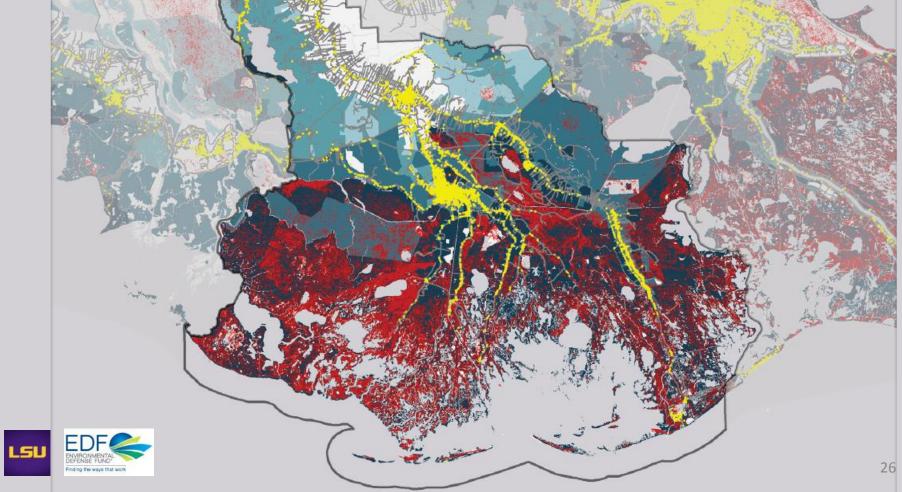
- 5,700 businesses
- 103,000 jobs
- 36% of people commute in because of high paying, high skill jobs



Top six industry sectors

- 1. Transportation and warehousing (includes pipelines and transportation to offshore)
- 2. Health Care and Social Assistance
- 3. Manufacturing
- 4. Retail Trade
- 5. Accommodation and Food Service
- 6. Oil and Gas Extraction







- \$933 Million in physical damages from land loss and loss of 4,800 jobs
- \$12.3 Billion in physical damages from a 100-year storm and \$2.7 Billion annual losses to output from business disruption
- Business losses in vulnerable coastal areas leads to lower employment, wages, and output in other regions. The loss of these jobs and businesses means fewer businesses are buying supplies and services from businesses in the Houma region.

Future Without Action | Medium Scenario | Year 50



