FEMA DECLARED DISASTERS

STATE MAP

HISTORIC NFIP PAYMENTS

The average household in the six LA SAFE parishes has received over 28x the national average in FEMA disaster recovery payments between 1978 and 2016.

In Plaquemines, its 268x the national average.

FEMA’s NFIP PAYMENTS, 1978 - 2016

<table>
<thead>
<tr>
<th></th>
<th>U.S.</th>
<th>Louisiana</th>
<th>6 LA SAFE Parishes</th>
<th>Plaquemines Parish</th>
</tr>
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<tbody>
<tr>
<td>Total NFIP Payments</td>
<td>$57.3 B</td>
<td>$19.4 B</td>
<td>$4.9 B</td>
<td>$361 M</td>
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<tr>
<td>Historic Payments per Household</td>
<td>$490</td>
<td>$11,260</td>
<td>$13,920</td>
<td>$131,564</td>
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Number of FEMA declared disasters since 2011 in each Parish. Source: FEMA
Low Scenario (most optimistic)  
Medium Scenario  
High Scenario (least optimistic)
POPULATION SHIFTS 2000-2010

+9% LaPlace 29,871
+6% Waggaman 10,015
+1% Thibodaux 14,566
+3% Houma 33,670
+7% Cutoff 5,976
+29% Belle Chasse 12,679
-31% Lafitte 972
-67% Buras-Triumph 945

+13% Bayou Cane 19,355
-29% Dulac 1,463
-3% Golden Meadow 2,101
BEST PLANNING PRACTICES & EXPERTISE

COMMUNITY & STAKEHOLDER VISION

CURRENT & FUTURE ENVIRONMENTAL CONDITIONS

Coalition to Restore Coastal Louisiana
CPRA
Division of Administration Office of Community Development
Greater New Orleans Foundation
GCR
ARTIM
CCC Concordia
The Data Center
Foundation for Louisiana
NOVAC
University of New Orleans
RESTORE The Mississippi River Delta
Plan Dimensions

Risk Level

Planning Category

Strategy Type

Scale

Time

10 Years

25 Years

50 Years
• COASTAL 101: HOW DID WE GET HERE? CHALLENGES & OPPORTUNITIES
• GOV’T PLAYERS INVOLVED; WHO DOES WHAT.
• FACILITATION, ORGANIZING AND ADVOCACY TRAINING
Identify Challenges & Opportunities
Propose Strategies
Evaluate Vision & Strategies
Policy, Program, & Project Development
Project Evaluation

2017 Outreach & Engagement

March & April Parishwide Meeting
May & June Community Meetings
July & August Parishwide Meeting
October Stakeholder Round-tables & Open Houses
December Parishwide Meeting

2018 Plan Development & Implementation

1 Identify Challenges & Opportunities
2 Propose Strategies
3 Evaluate Vision & Strategies
4 Policy, Program, & Project Development
5 Project Evaluation

71 Community Meetings
2,835 Participants
Existing Efforts Maps

- St. John Parish Comprehensive Plan: Airline Hwy. Beautification
- St. John Parish Comprehensive Plan: Develop Greenways on existing drainage canals
- St. John Parish Comprehensive Plan: NO-BR Rail Station
- St. John Parish Comprehensive Plan: Historic Main St. Development
- St. John Parish Comprehensive Plan: Transportation Infrastructure Investment Area
- St. John Parish Comprehensive Plan: Complete Mississippi River Trail
LOW RISK AREAS

What we expect over 50 years:

- Minimal flood risk
- Economic growth
- Increases in population
MODERATE RISK AREAS

What we expect over 50 years:
- Land loss in surrounding areas
- Moderate local flood risk
- Not much change in population
HIGH RISK AREAS

What we expect over 50 years:
Land loss
High flood risk
Decline in population
Over 73% of participants agreed or strongly agreed with the visions at each risk level.
LA SAFE combined the highest rated community strategies with future flood risk and existing efforts in each parish to create draft projects. At round 4, parish officials and residents gave feedback and advice.
Selected Project Portfolio

**St. Tammany Parish**
Safe Haven Blue-Green Campus & Trails

**St. John the Baptist Parish**
Airline & Main Complete Streets

**Plaquemines Parish**
Harbor of Refuge
Mental Health & Substance Abuse Support Expansion

**Jefferson Parish**
Gretna Resilience District Kickstart
Louisiana Wetland Education Center

**Terrebonne Parish**
Buyouts for Permanent Resident Households Outside Morganza

**Lafourche Parish**
Emerging Industry Business Incubator
Resilient Housing Prototype
Goal 1: Manage Flooding and Subsidence

Implement water management strategies that are based on natural systems and address all scales—regional, parish, and community programs as well as initiatives targeted to individual property owners.

Strategy 1: Institutionalize considerations of future flood risk in daily operations and programs within state agencies

Strategy 2: Align public funding and project prioritization to promote green infrastructure and stormwater management

Strategy 3: Incentivize the incorporation of stormwater management features and green infrastructure in private development
Current Condition: Drain & Pump

- Increased Reliance on Pumps
- Development in Drained Wetlands
- Forced Drainage Induces Shallow Subsidence

50-Year Vision: Slow, Store, Drain If Necessary

- Marsh Restoration
- Elevated Structures
- Green Infrastructure Slows and Stores Water
- Surface Canal Network
- Water Infiltrates Soils
Goal 2: Plan for safe and affordable development

Retrofit existing and create new safe, inclusive, and sustainable communities.

Strategy 1: Encourage elevation of homes based on current and future flood risk

Strategy 2: Plan future development based on risk typologies with mixed-use residential growth in low-risk areas

Strategy 3: Identify ways to address insurance affordability
Planning for Future Growth Corridors on High Ground
Tall trees provide shade during hot summer months.

Large roof eaves block high summer sun.

Space below the living floors of a home allows for cross ventilation, resulting in lower cooling costs.

Pier-and-beam foundations raised above BFE reduce flood risk and insurance costs.

Elevated homes allow for parking, storage, or patio space beneath.
Goal 3: Improve mobility throughout the region

Support a resilient transportation system that includes multiple modes of transportation and promotes the creation of walkable communities.

Strategy 1: Promote well-connected, multimodal transportation options within parishes and across the region—including water transportation—to better connect existing communities to emerging and growing sectors, industries, and job opportunities.

Strategy 2: Protect and elevate key supply chain and evacuation routes.
Planning Around Supply Chains and Industries
RIDGE

Water Transportation

Critical Services on High Ground

Elevate Critical Infrastructure

Multimodal Transit Hub

Delay Stormwater Upslope

Store Water Downslope
Goal 4: Diversify Educational and Employment Opportunities to Strengthen the Regional Economy

Integrate risk and adaptation practices into all levels of government and educational systems. Build a robust economy that diversifies the parish’s economic base, supports residents’ entrepreneurial spirit, and trains and retains parish workers in emerging industries.

Strategy 1: Increase coastal education for students (of all ages)

Strategy 2: Expand skills training in coastal careers

Strategy 3: Grow and diversify the economy

Strategy 4: Support Louisiana seafood and fishers
Goal 5: Support Healthy Communities, Regional Culture, and Recreational Access to Nature

Retain the region’s culture and values as growth and development occurs. Incorporate diverse recreation opportunities to promote a healthy environment that allows residents to experience the region’s natural beauty while maintaining a healthy, active lifestyle.

Strategy 1: Increase access to nature for recreational use and ecotourism

Strategy 2: Preserve and support Louisiana’s culture and heritage

Strategy 3: Encourage development that is informed by an understanding of the relationship between public health and the built environment
Planning Across Jurisdictional Boundaries