A Resilience Planning Model for the Future:
LA SAFE, Isle de Jean Charles, Louisiana Watershed Initiative

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Restore America's Estuaries National Summit // 12.12.18
Meet the winners.

Announced by President Obama in 2014, the National Disaster Resilience Competition was developed to help U.S. communities recover from prior disasters through innovative resilience projects.

67 disaster-affected communities
13 competition winners
1 billion dollars to rebuild better

#RebuildBETTER

Louisiana: $92.6 million
• $40m LA SAFE
• $48m Isle de Jean Charles Resettlement
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>Total NFIP Payments</th>
<th>U.S.</th>
<th>Louisiana</th>
<th>6 LA SAFE Parishes</th>
<th>Plaquemines Parish</th>
</tr>
</thead>
<tbody>
<tr>
<td>Historic Payments</td>
<td>$490</td>
<td>$11,260</td>
<td>$13,920</td>
<td>$131,564</td>
</tr>
</tbody>
</table>
FLOOD RISK & LAND LOSS - 2067
POPULATION SHIFTS 2000-2010

- LaPlace: 29,871 (+9%)
- Waggaman: 10,015 (+6%)
- Thibodaux: 14,566 (+1%)
- Houma: 33,670 (+3%)
- Bayou Cane: 19,355 (+13%)
- Cutoff: 5,976 (+7%)
- Dulac: 1,463 (-29%)
- Golden Meadow: 2,101 (-3%)
- Lafitte: 972 (-31%)
- Belle Chasse: 12,679 (+29%)
- Slidell: 27,068 (+3%)
- Buras-Triumph: 945 (-67%)
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

71 Community Meetings
2,835 Individual Participants
Planning for Future Growth Corridors on High Ground
The Resettlement of Isle de Jean Charles
Phase 1: Initial Outreach & Needs Assessment

**LAND USE ON ISLE DE JEAN CHARLES**

<table>
<thead>
<tr>
<th>Land Use</th>
<th>Count</th>
</tr>
</thead>
<tbody>
<tr>
<td>PRIMARY RESIDENCE</td>
<td>26</td>
</tr>
<tr>
<td>CAMP / UNOCCUPIED</td>
<td>35</td>
</tr>
<tr>
<td>ABANDONED STRUCTURE</td>
<td>8</td>
</tr>
<tr>
<td>VACANT LAND</td>
<td>67</td>
</tr>
<tr>
<td>OTHER</td>
<td>5</td>
</tr>
</tbody>
</table>
WHERE SHOULD WE BUILD?
Given expected future risk and constraints on where the future can spend funds, where would you like the new community to be and why?

1. CONSIDER THESE QUESTIONS:
- What's more important to you—living close to work, or a maintenance-free or planning-free community?
- Situated above expected flood depths, can the site be developed without additional infrastructure and without flood damage? How would this change your site preferences? How?

2. PLACE A DOT OR DRAW ON THE MAP
where you would like the new community to be.

3. WRITE ON POST-ITS
to describe why you chose the area(s) you did.

100 YEAR FLOOD DEPTH KEY
Year 50 | Future Without Action | High Scenarios
Estimated depth of flood water above ground level during a 100-year flood event, 50 years from now.
Planning to Live With Water
LOUISIANA WATERSHED INITIATIVE

working together for sustainability and resilience
Mississippi River Delta & Watershed
Planning and Development District Boundaries vs. Watershed Boundaries

Parish Boundaries vs. Watershed Boundaries
MULTI-SCALAR, MULTI-DISCIPLINARY APPROACH TO PLANNING

Scientific and modeling evaluation

Watershed-based planning objectives

Existing organizational boundaries
Statewide Listening Tour
WHERE WE’VE BEEN

- **58** Lafayette
  - LA BEOC Informative Research Center
- **64** Monroe
  - West Monroe Convention Center
- **46** Alexandria
  - Pineville Community Center
- **44** Shreveport
  - Shreveport Convention Center
- **60** Houma
  - South Central Planning & Development District
- **80** Lake Charles
  - IMCAL (SEED Center)
- **77** Hammond
  - Tangipahoa Parish Clausen Conference Room
- **126** Baton Rouge
  - BREC Administration

555 engineers, planners, floodplain managers, public works staff, emergency responders, code enforcement staff, elected officials, and more
Next steps
Ongoing coordination with locals and the State to complete:

- Statewide Modeling (2019)
- Public Outreach & Engagement (2019-2020)
- Project Evaluation & Funding