



# Louisiana Parish Engineers and Supervisors Association

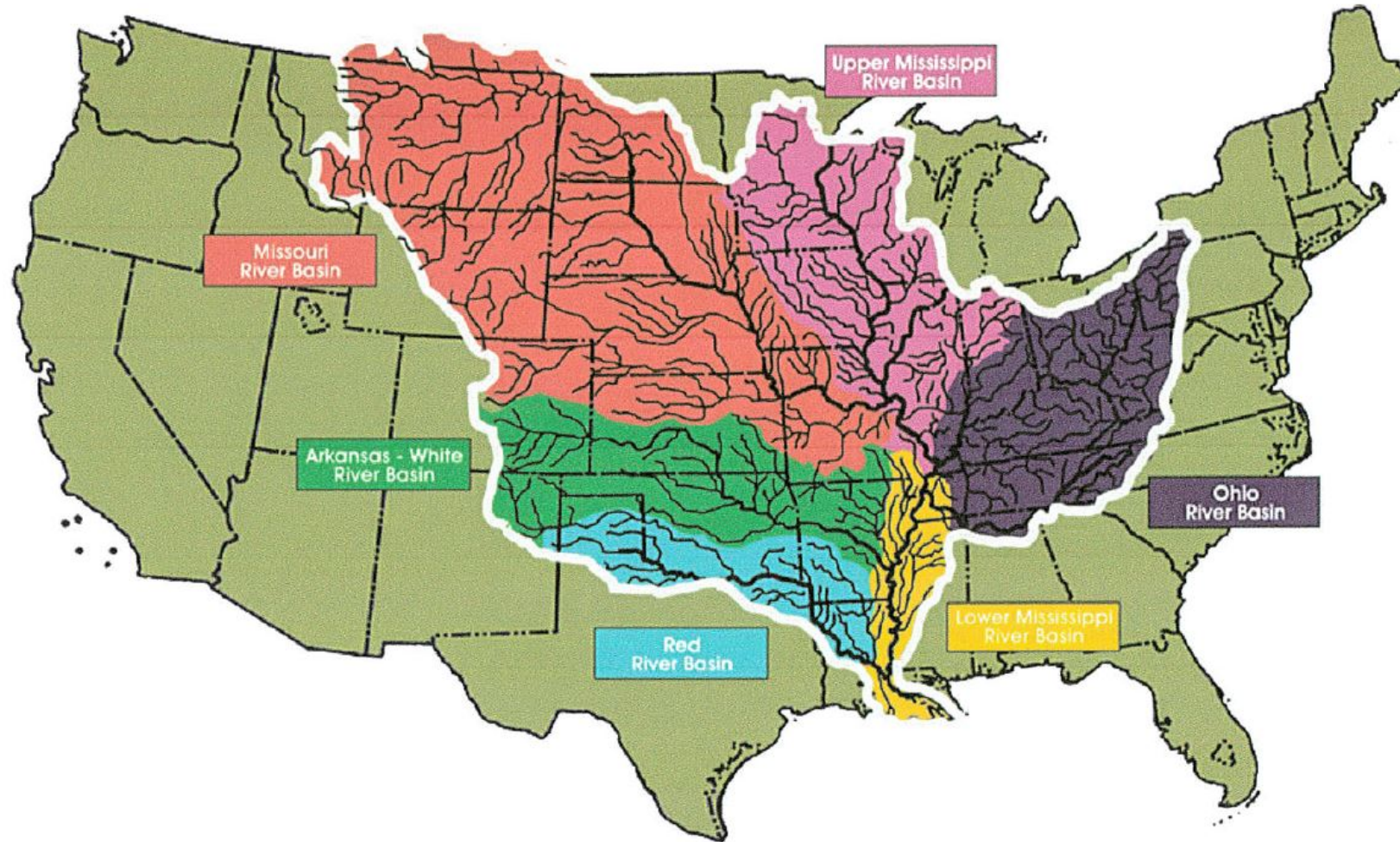
OCTOBER 2, 2019

Patrick J. Landry, P.E.  
Louisiana Department of Transportation and  
Development

LOUISIANA  
**WATERSHED**  
INITIATIVE

working together for sustainability and resilience

# Mississippi River Valley



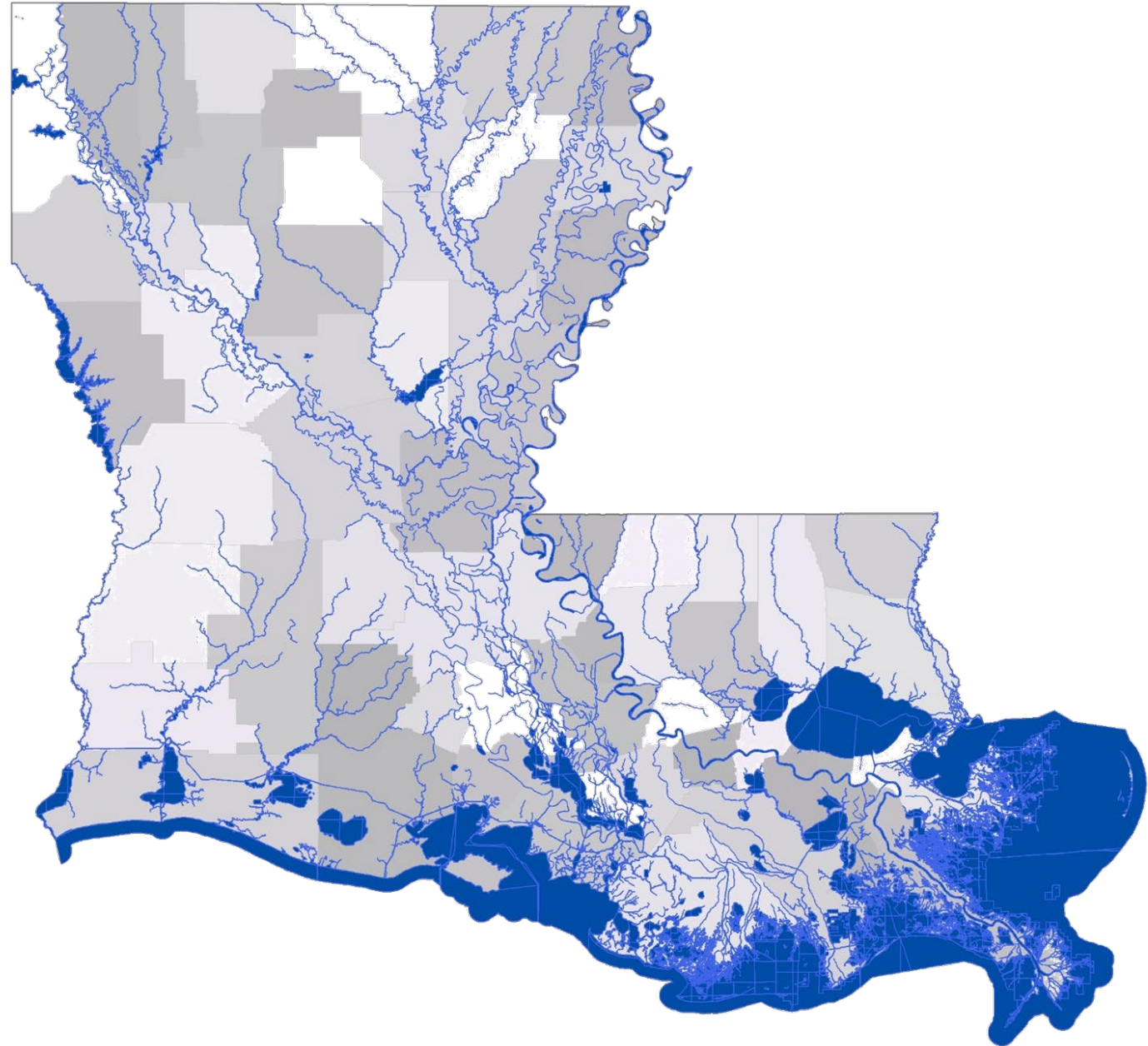
# Louisiana's state-claimed waterbodies

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- 900 named bayous
- 110 named rivers
- 242 named lakes

*Actions in one community can impact entire systems.*

(SOURCE: OFFICE OF STATE LANDS AND DNR'S SONRIS GEODATABASE)

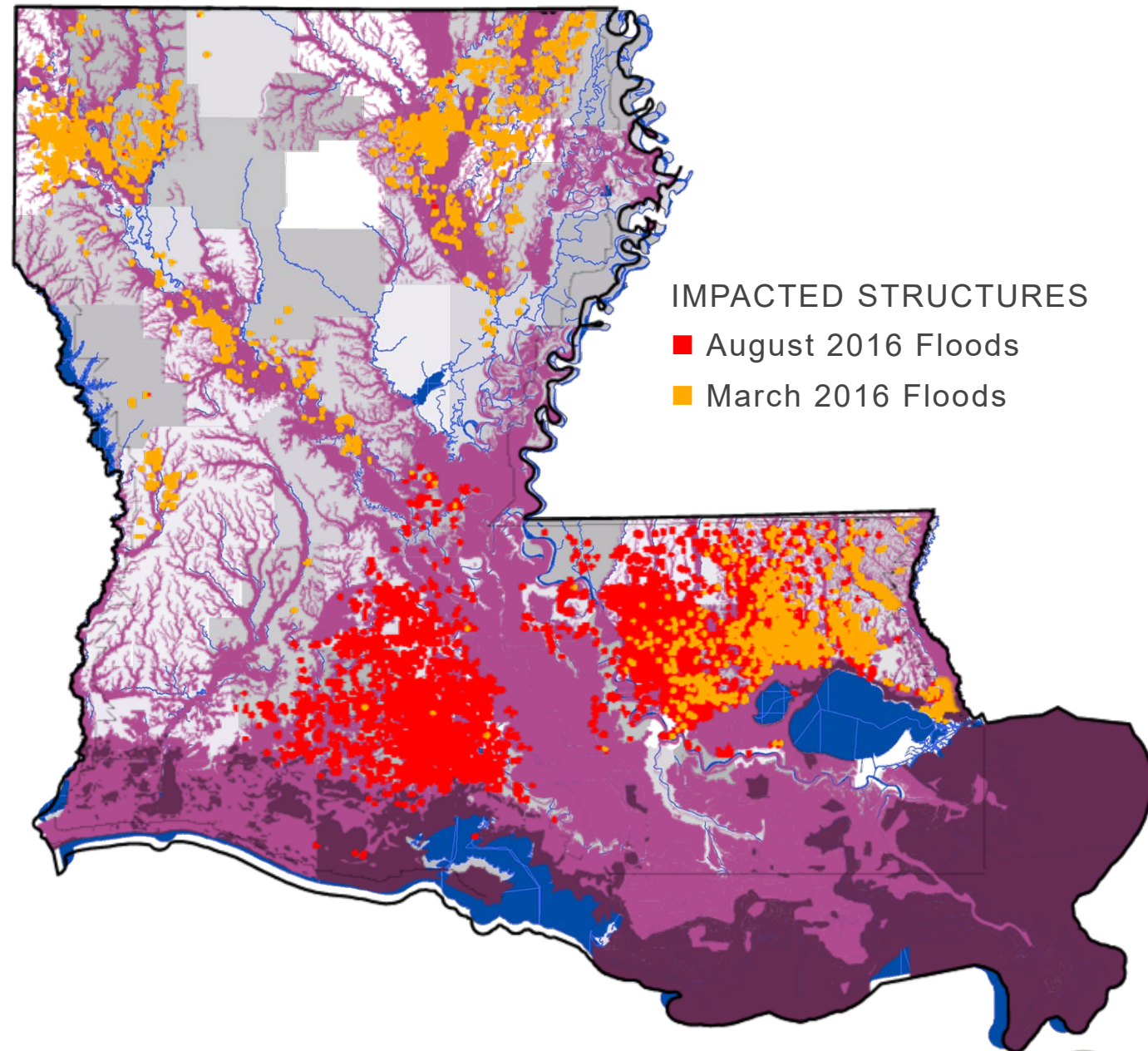




# 2016 Floods & Special Flood Hazard Areas

Combined total of  
145,000 structures  
impacted

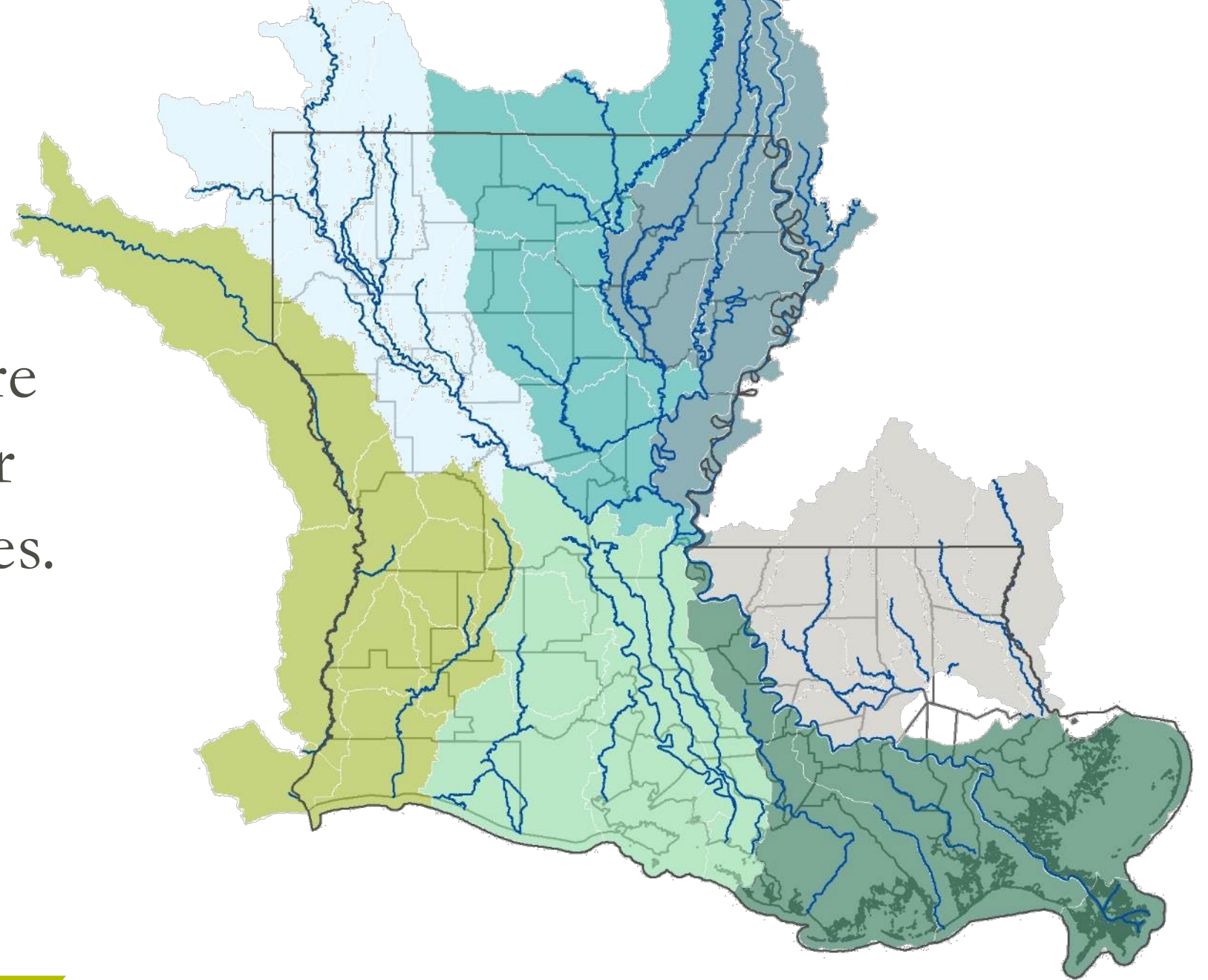
51% of state in  
SFHA



# Louisiana's watersheds

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Our watersheds are not defined by our political boundaries.



# How is this different?

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It leverages recovery funds *proactively* rather than *reactively*.

The goal is to improve water management *before* the next disaster.



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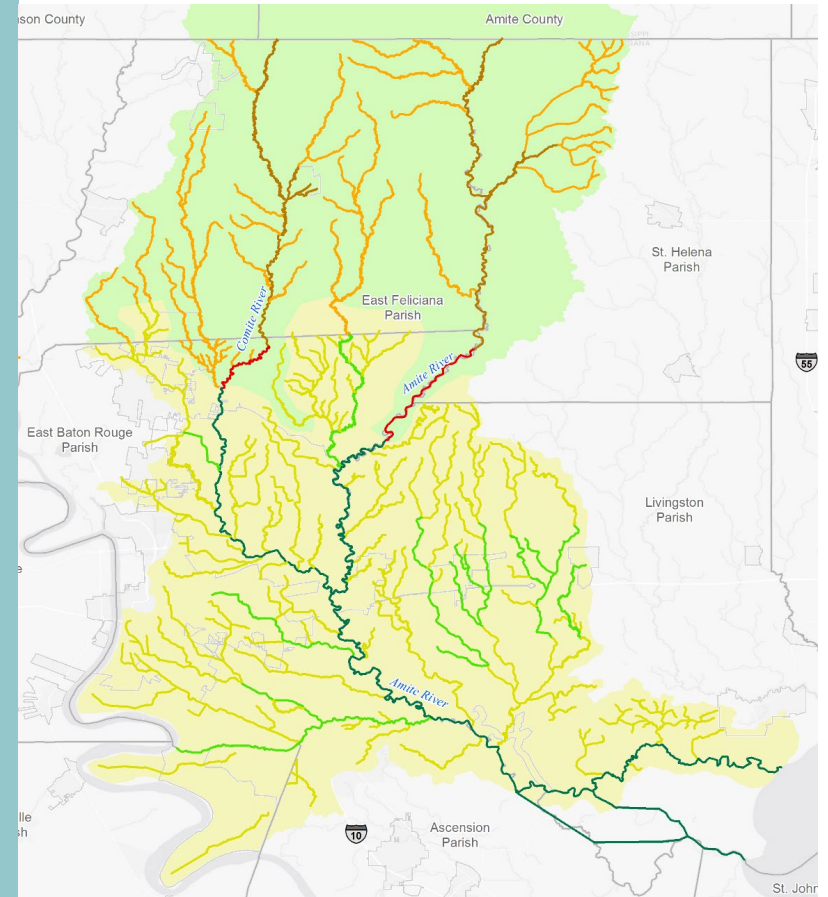


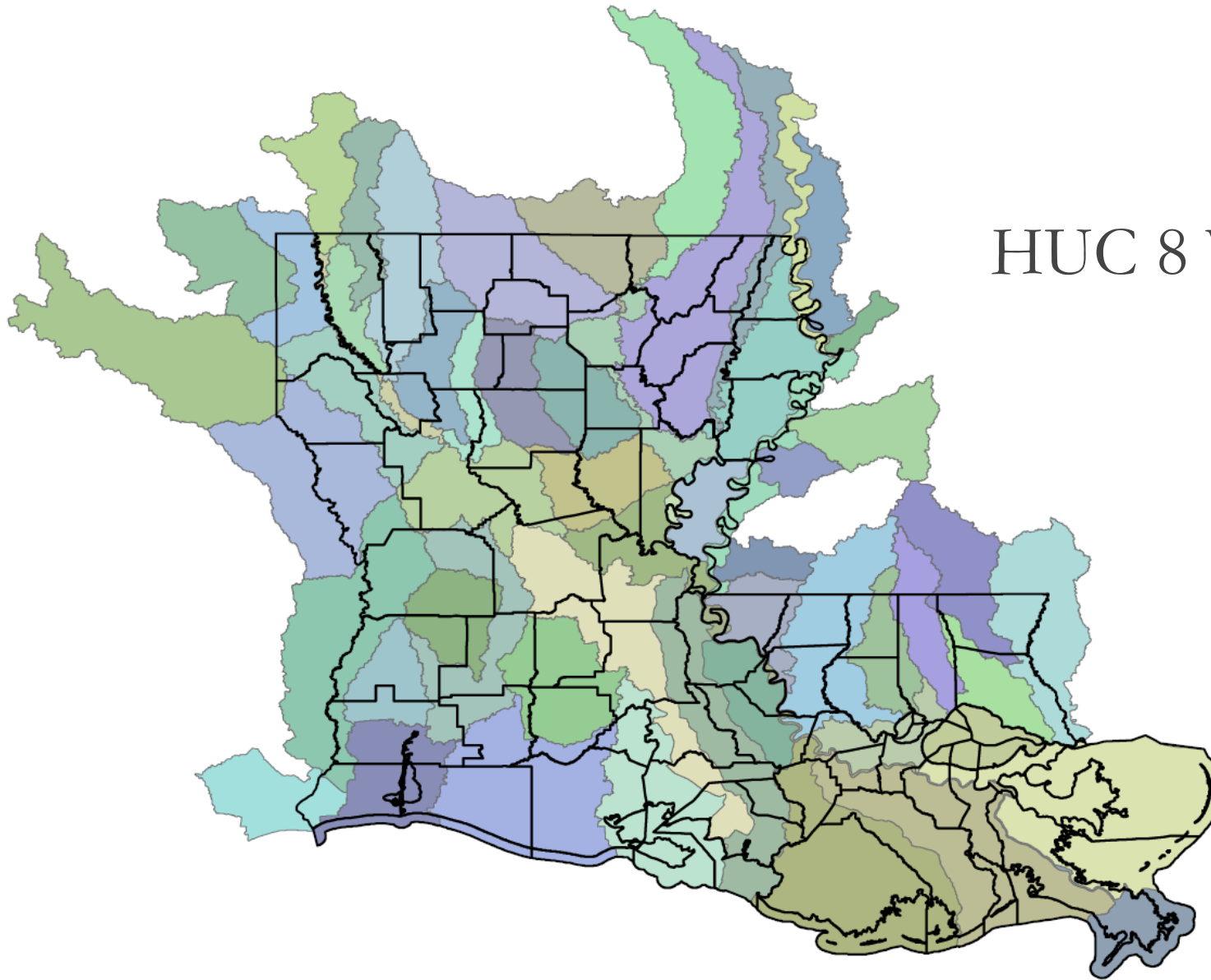


# Watershed Modeling is being Contracted Now

## SCIENCE-BASED UNDERSTANDING OF RISK

- In May, DOTD issued Requests for Qualifications to develop watershed models for the state's 59 HUC 8 watersheds.
- The recently completed Amite River Basin model is an example.
- The state is collaborating with experts throughout the country to build world-class models.



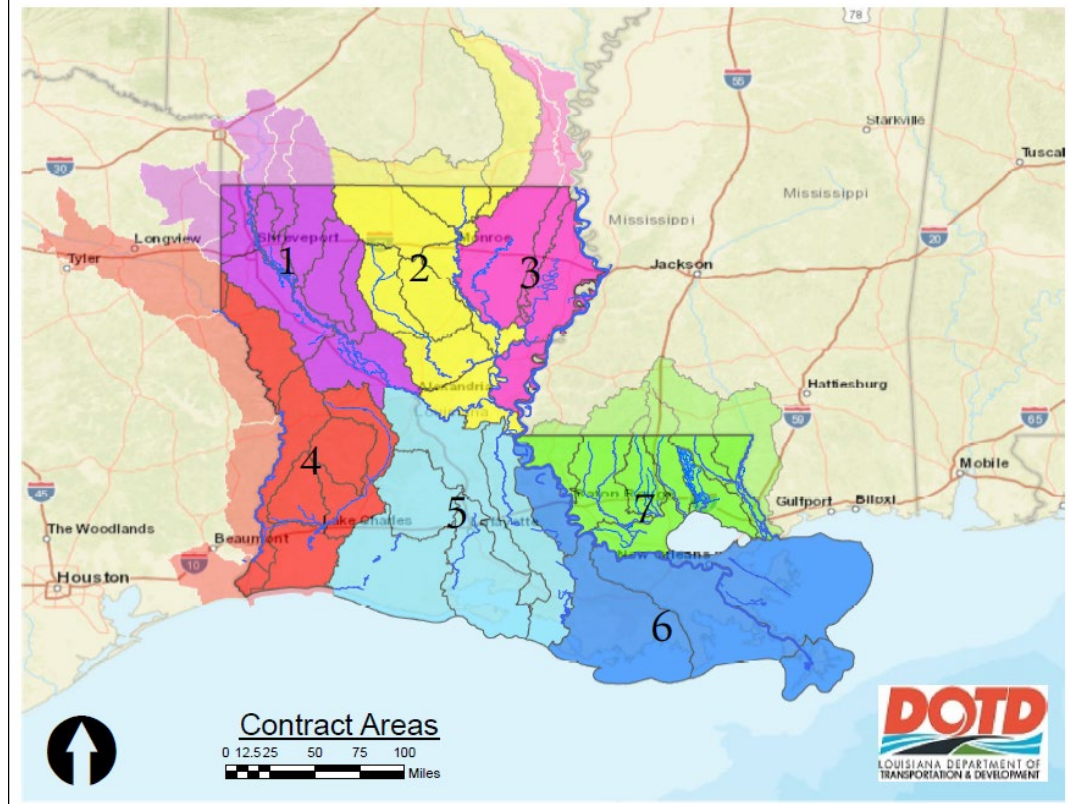


## HUC 8 WATERSHEDS



# LWI Modeling Contracts:

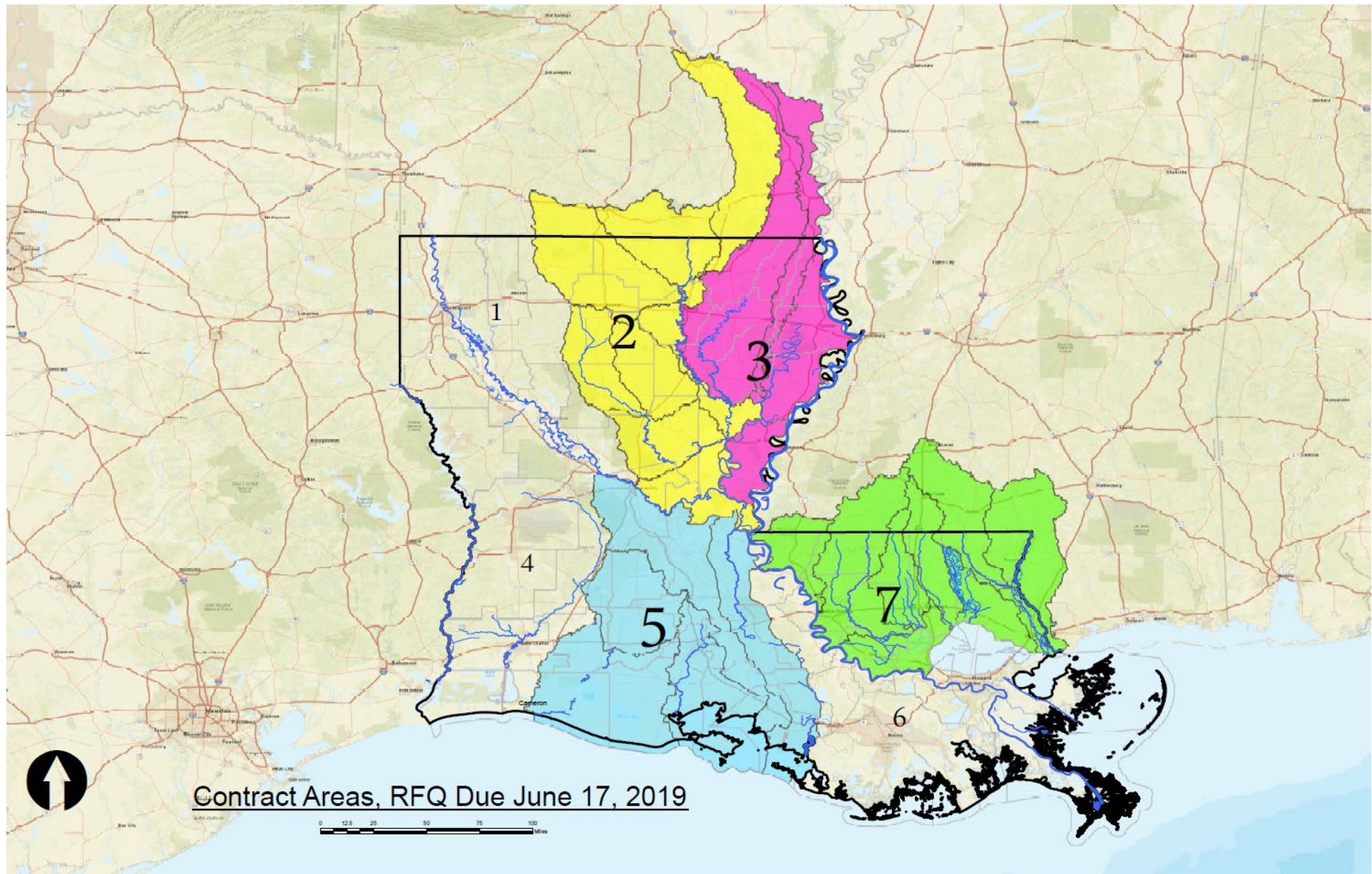
- Request for qualification for all seven regions advertised by DOTD on 05/15/2019
- Proposals for regions 2, 3, 5, and 7 were due on 06/17/2019
- Proposals for regions 1, 4, and 6 due date is TBD
- Overall time for completion scope estimated to be five (5) years
- Technical Design and Quality (TDQ) team will provide (through DOTD) modeling standard and procedures document to contractors upon selection



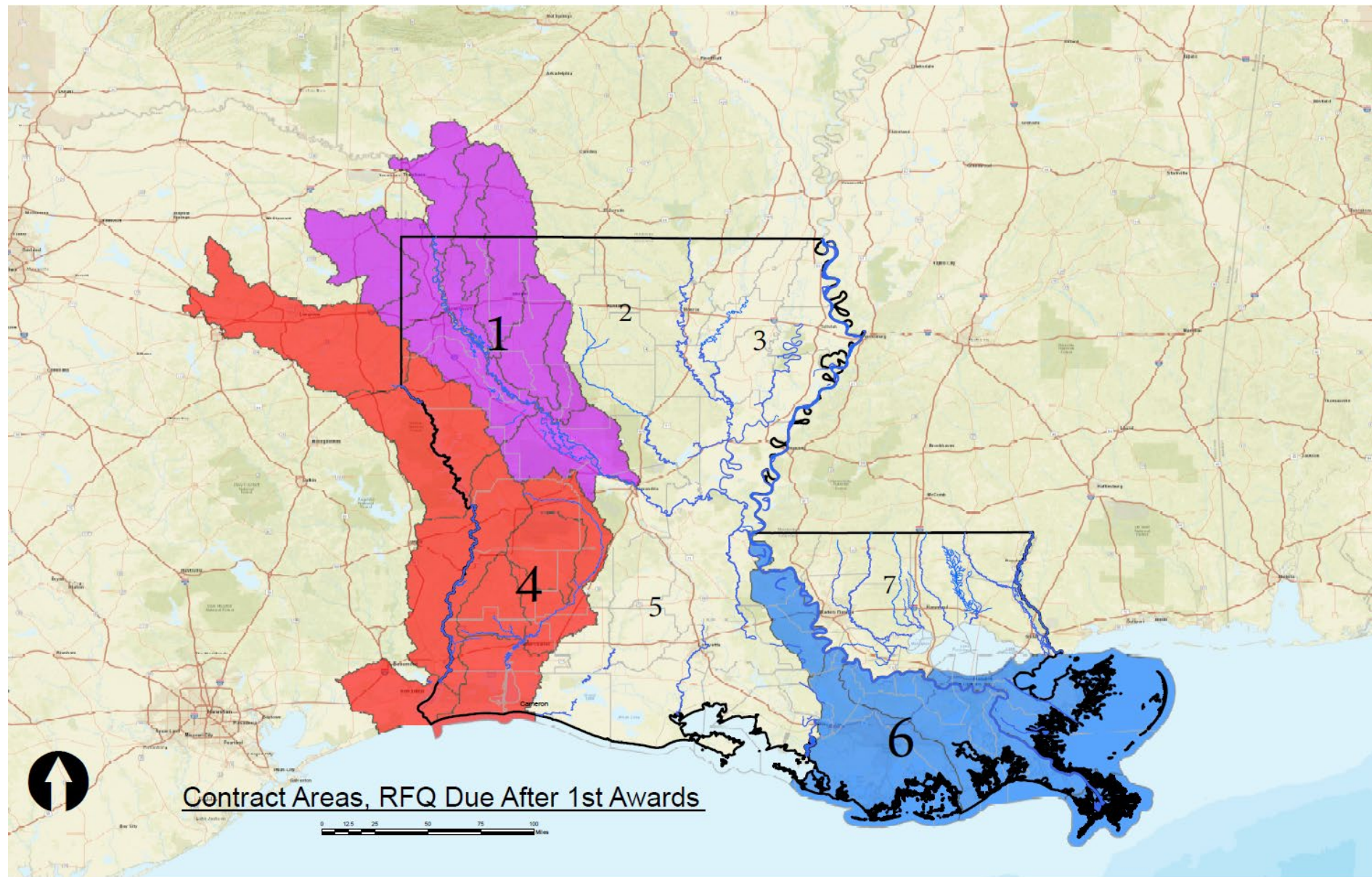
Region	Estimated Max Compensation
1	\$20 M
2	\$18 M
3	\$12 M
4	\$10 M
5	\$20 M
6	\$10 M
7	\$20 M
Total	\$110 M









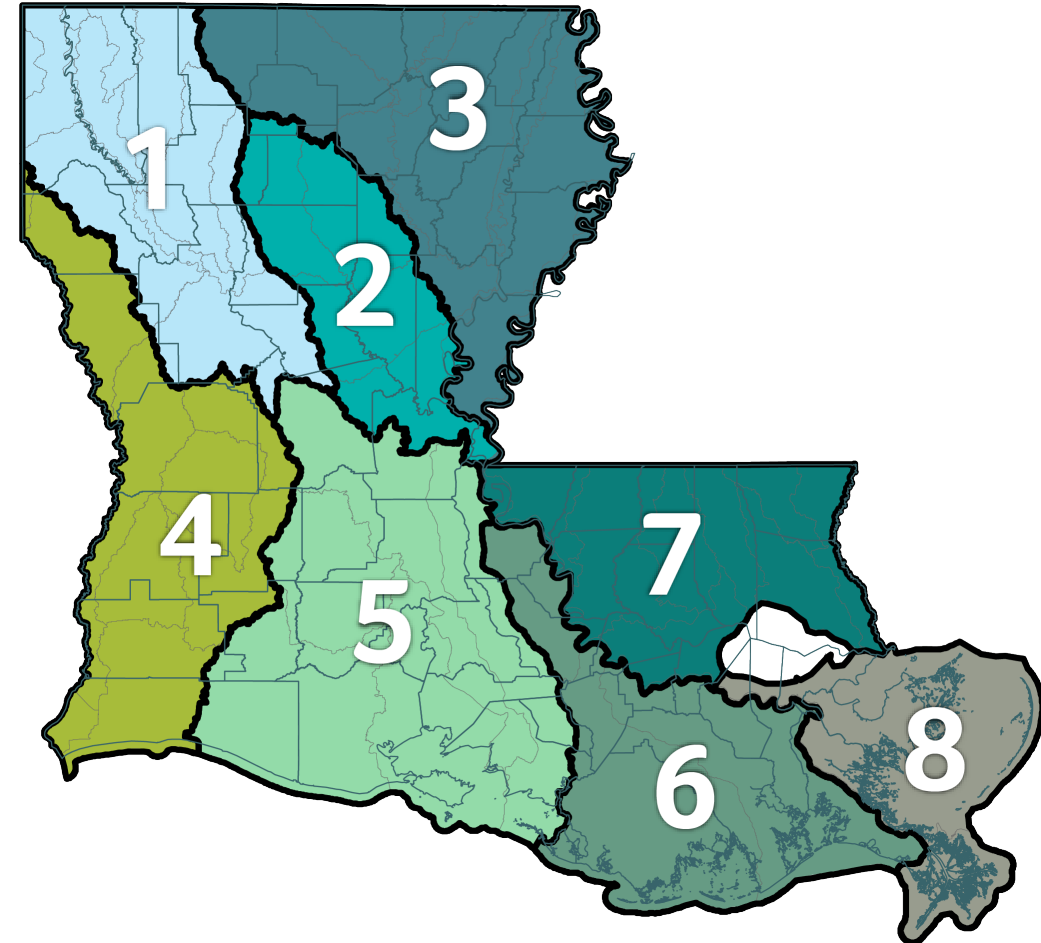




# Local leaders are coordinating

## WATERSHED-BASED DECISION MAKING

- Eight watershed regions will coordinate planning activities throughout the state.
- The state is offering grant funding to build local technical capacity for watershed and floodplain management activities, with awards expected in January 2020.



# Local leaders are coordinating

## SUPPORT FOR ORGANIZING WATERSHED REGIONS

### GRANT PROGRAM OBJECTIVES

1. Establish regional steering committees
2. Form watershed coalitions
3. Enhance impact of floodplain management activities in each region

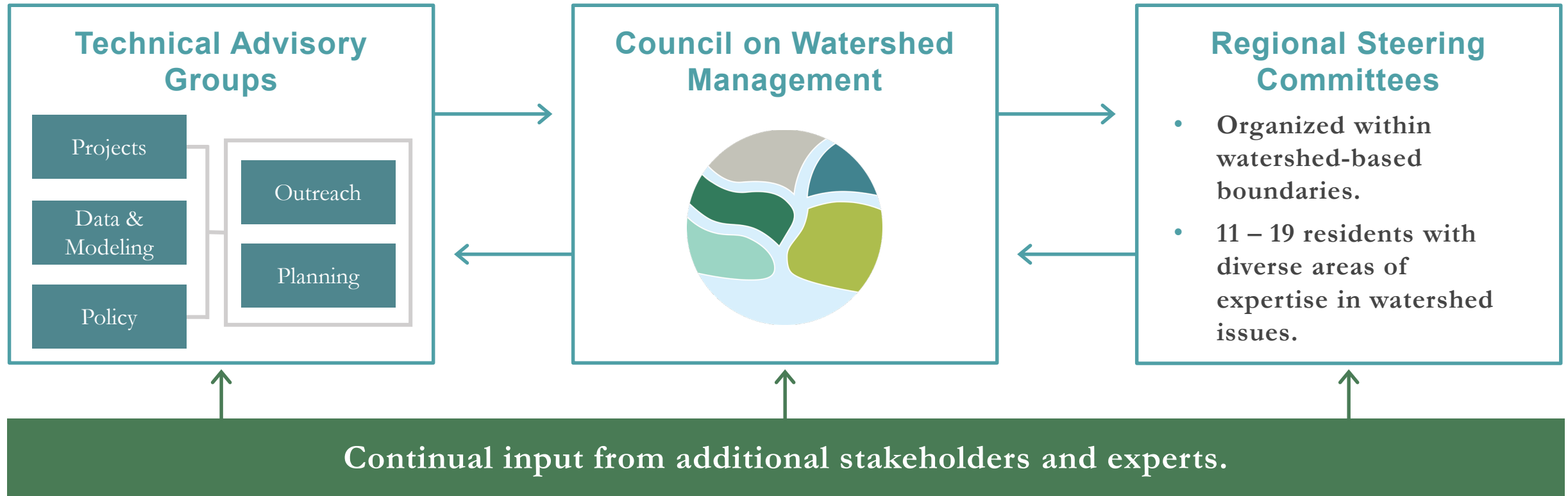
### ELIGIBLE ACTIVITIES

- Support steering committee and coalition meetings
- Develop and implement policies
- Support floodplain management, Community Rating System participation and land use and drainage reviews



# Local leaders are coordinating

## SHARING RESPONSIBILITY FOR RESILIENCE





# \$1.2 Billion in Mitigation Funds

**Congressional Allocation in 2018**

**HUD Guidance Published Aug. 30, 2019**

**Draft Action Plan posted at [www.watershed.la.gov](http://www.watershed.la.gov) on 9/26/19**



# HUD Rules Overview

## THE STATE'S RESPONSE TO FEDERAL REQUIREMENTS

ALL FUNDS MUST BE USED FOR **MITIGATION ACTIVITIES**.

AT LEAST 50 PERCENT OF FUNDS MUST BENEFIT **MOST IMPACTED AND DISTRESSED AREAS**, OR MIDS, IDENTIFIED BY HUD.

HUD MUST APPROVE THE STATE'S **ACTION PLAN** BEFORE FUNDS ARE AVAILABLE.

THE ACTION PLAN WILL DESCRIBE THE NEEDS AND PROPOSED APPROACH FOR THE FUNDS.

FOUR **PUBLIC HEARINGS** WILL COLLECT COMMENTS ON THE DRAFT ACTION PLAN.

THE DRAFT ACTION PLAN WAS POSTED ONLINE FOR **45 DAYS**, BEGINNING SEPTEMBER 26TH.

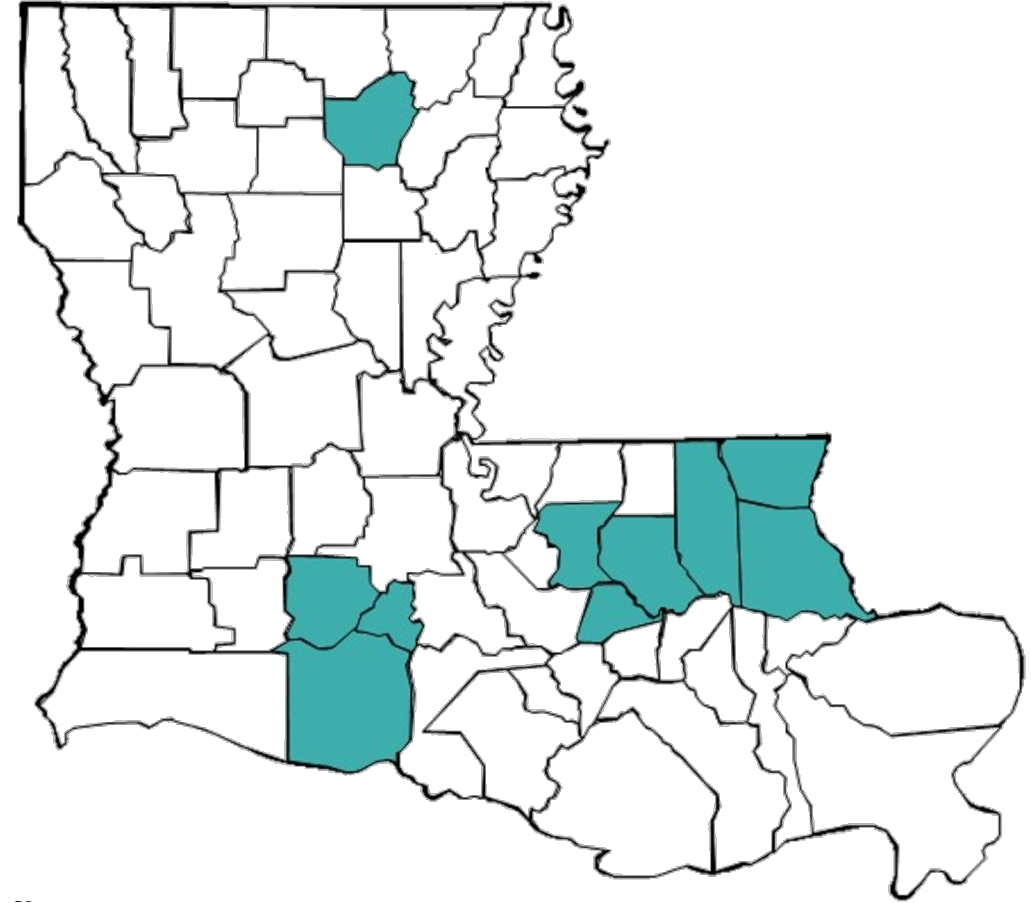


# HUD Most Impacted or Distressed Areas

## THE STATE'S RESPONSE TO FEDERAL REQUIREMENTS

MIDS INCLUDE: EAST BATON ROUGE, LIVINGSTON, ASCENSION, TANGIPAHOA, OUACHITA, LAFAYETTE, VERMILION, ACADIA, WASHINGTON AND ST. TAMMANY PARISHES.

AT LEAST \$607 MILLION (50 PERCENT OF THESE FUNDS) MUST BE SPENT IN OR BENEFIT THESE AREAS.





# Draft Action Plan

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- **\$1.2 billion** in CDBG-MIT funds **to reduce** statewide flood risk.
- Invest in **mitigation activities** and improve development standards.
- Includes more than **\$970 million** for **watershed projects and programs**, as well as funding for **improved data gathering and modeling**.



# Draft Action Plan

DATA DRIVEN  
SOLUTIONS





# Draft Action Plan

DATA DRIVEN  
SOLUTIONS

PROJECTS THAT  
REDUCE FLOOD RISK





# Draft Action Plan

## DATA DRIVEN SOLUTIONS

- High-quality gauge network.
- Watershed models that empower local decision making.
- Informed decisions based on science.

## WATERSHED MODELING

## PROJECTS THAT REDUCE FLOOD RISK

- Enhanced natural retention and local drainage functions.
- Focus on helping to move people out of harm's way.

## FLOOD CONTROL PROJECTS

## COLLABORATION IS KEY

- Regional watershed management that empowers collaboration between stakeholders and decision makers.
- Building better to mitigate the next disaster's impact.

## REGIONAL PROGRAMS



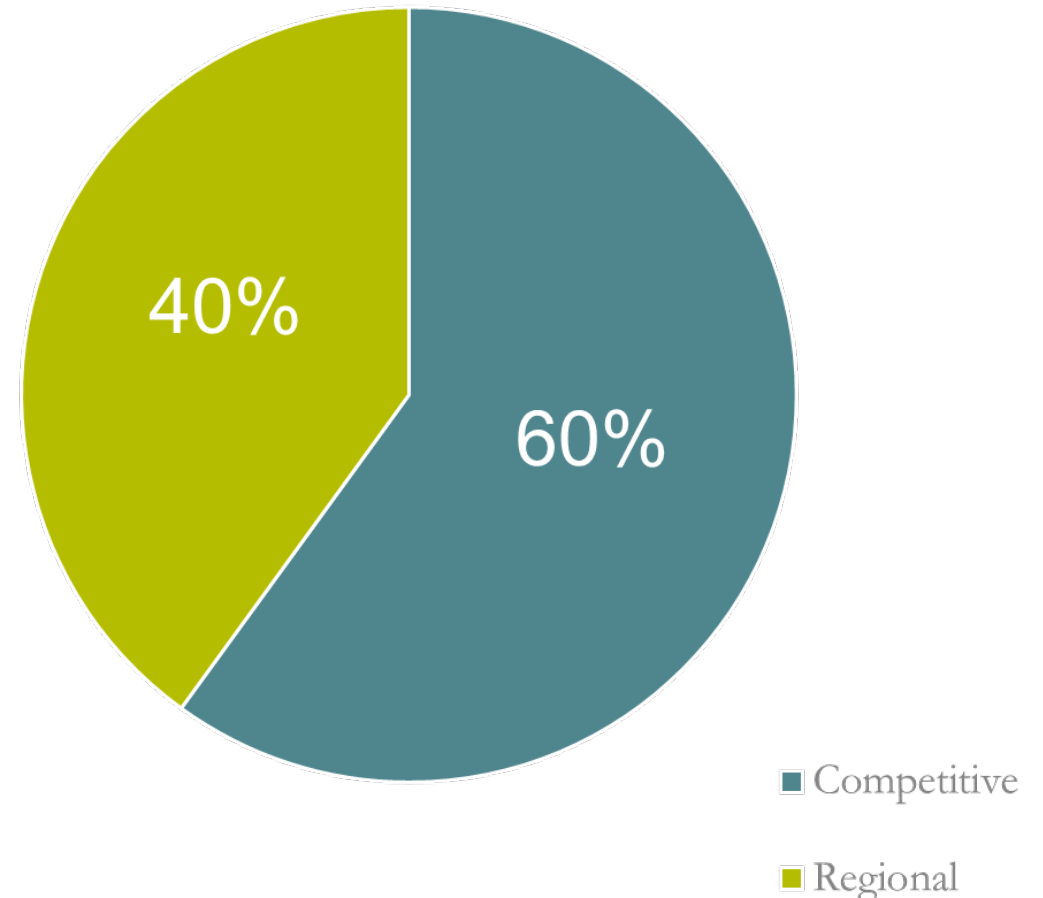
# Round 1 Funding Opportunity

## DISTRIBUTION

\$100 Million total

- \$40 million set aside for watershed regions
- \$60 million statewide

All projects must meet minimum criteria



# Action Plan Timeline

Date	Action
October 2018 – Present	Engagement with local stakeholders
Aug. 30, 2019	Federal rules published
Sept. 19, 2019	Public Hearing No. 1 - Lafayette
Sept. 25, 2019	Public Hearing No. 2 - Baton Rouge
Oct. 24, 2019	Public Hearing No. 3 – West Monroe
Oct. 29, 2019	Public Hearing No. 4 - Mandeville
Fall 2019 (est. November)	Action Plan submitted to HUD
Late 2019 – Early 2020	HUD 60 day review period
Feb. 3, 2020	Action Plan submittal deadline
Spring 2020	Grant agreement executed and line of credit established



# Public Hearing Schedule

## **LAFAYETTE**

1 p.m. Thursday, Sept. 19  
City-Parish Council Auditorium  
Lafayette Consolidated Government  
705 W. University Ave.  
Lafayette, LA 70506

## **WEST MONROE**

Thursday, Oct. 24th; 1:30 pm  
Ouachita Parish Emergency Operations Center  
Fire Department Training Center  
1000 New Natchitoches Road  
West Monroe, LA 71292

## **BATON ROUGE**

1:30 p.m. Wednesday, Sept. 25  
House Committee Room 5  
Louisiana State Capitol  
900 N. Third St.  
Baton Rouge, LA 70802

## **MANDEVILLE**

Tuesday, Oct. 29th; 6:00 pm  
Council Chambers, Building A  
St. Tammany Parish Government Admin. Complex  
21490 Koop Drive  
Mandeville, LA 70471





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# THANK YOU

