

Council on Watershed Management Meeting

MAY 30, 2019

Meeting No. 8



Public Comment



Consent Agenda Items

Opening Remarks



Old Business



New Business

RECOMMENDATIONS



⁰¹ Amite River Watershed Pilot Program

LOCAL DEVELOPMENT REVIEW

- · Attain local and regional feedback on the establishment of a pilot program to use the Amite River Model for development review and permitting
- Enables state and regional collaboration



⁰² Amite River Watershed Pilot Program

STATE AGENCY PROJECT PRIORITIZATION

- Implement the use of watershed modeling within a single state agency for project prioritization and funding processes
- Enables establishment of best practices and guidance for use of watershed models



Updates

PROGRAM DEVELOPMENT



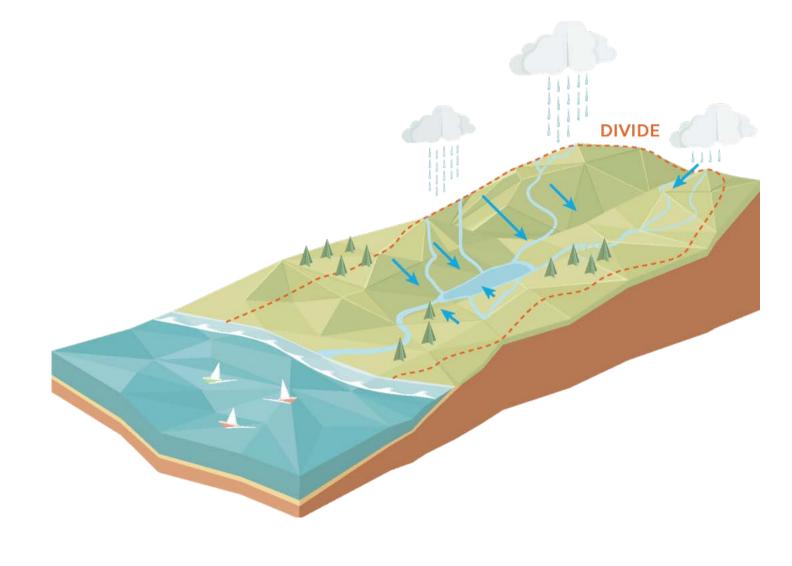


ABOUT

WATERSHEDS

What is a Watershed?

The land area that drains to a single water body - affects water quality and quantity in the water body that it surrounds.



Guiding Principles of a Watershed Management Approach

PARTNERSHIPS: Those most affected by management decisions are involved throughout and shape key decisions.

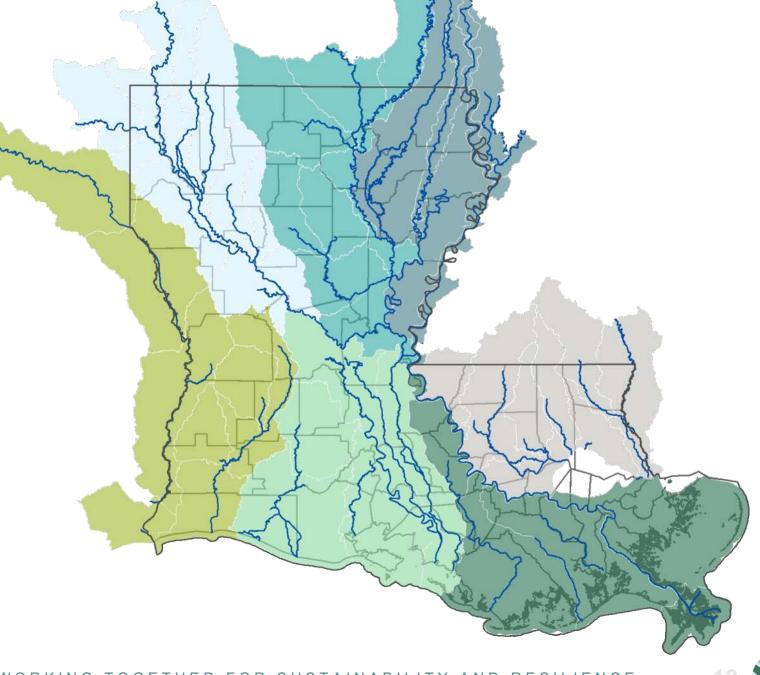
GEOGRAPHIC FOCUS: Activities are directed within specific geographic areas, typically those that drain to surface water bodies or that recharge or overlay ground waters or a combination of both.

SOUND MANAGEMENT TECHNIQUES BASED ON STRONG SCIENCE AND

DATA: Collectively, watershed stakeholders employ sound scientific data, tools, and techniques in an iterative decision-making process

Louisiana's Watersheds

Our watersheds are not defined by our political boundaries.





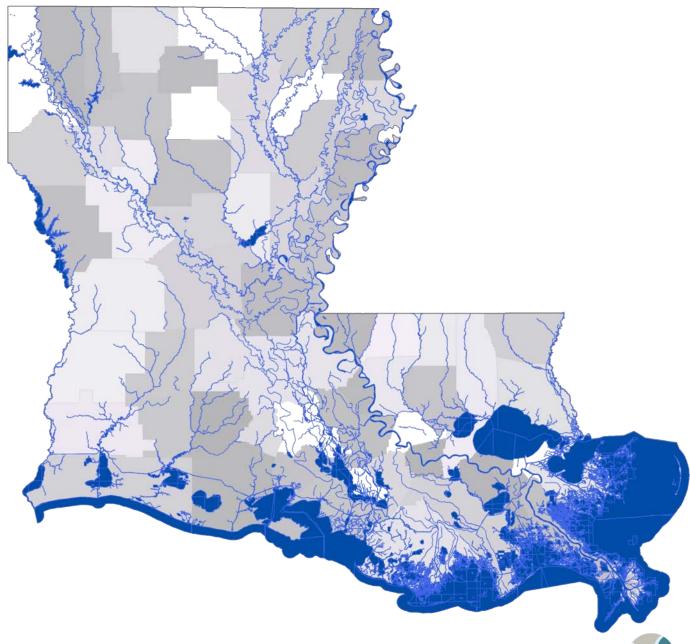
ABOUT LOUISIANA

Louisiana's State Claimed Waterbodies

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

Actions in one community can impact entire systems.

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

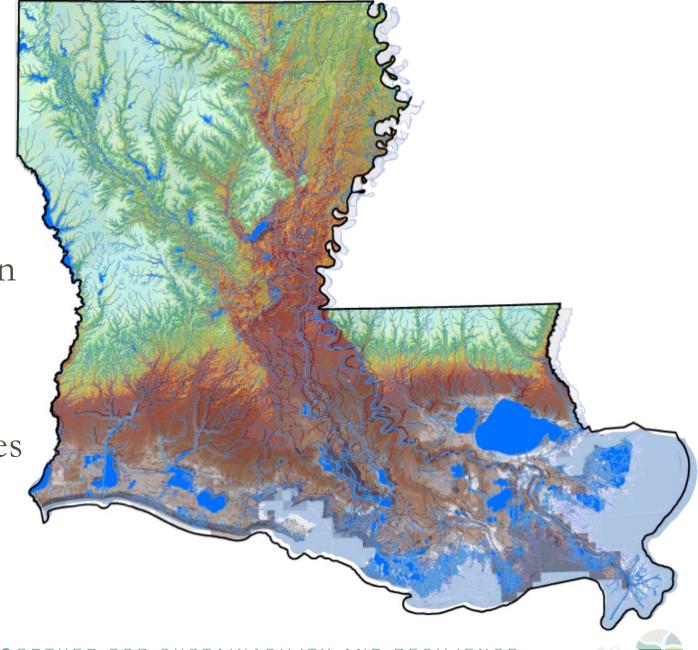


Elevation and Hydrography

Louisiana is very FLAT.

We are the fourth-flattest state in the nation.

Within the flatter (orange, brown, yellow) areas, it becomes more difficult to predict how water will be absorbed.

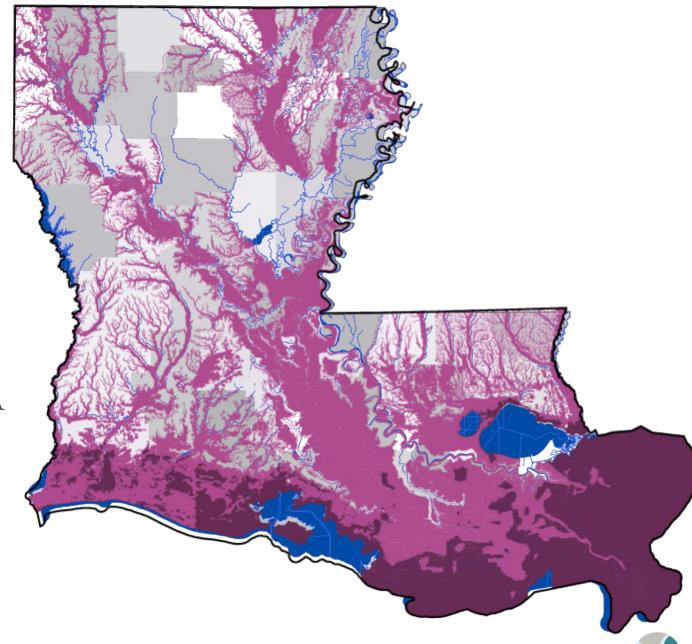


Special Flood Hazard Areas

Regulated by FEMA through the National Flood Insurance Program

- 26,826 square miles in the SFHA
- 51.21% of the State

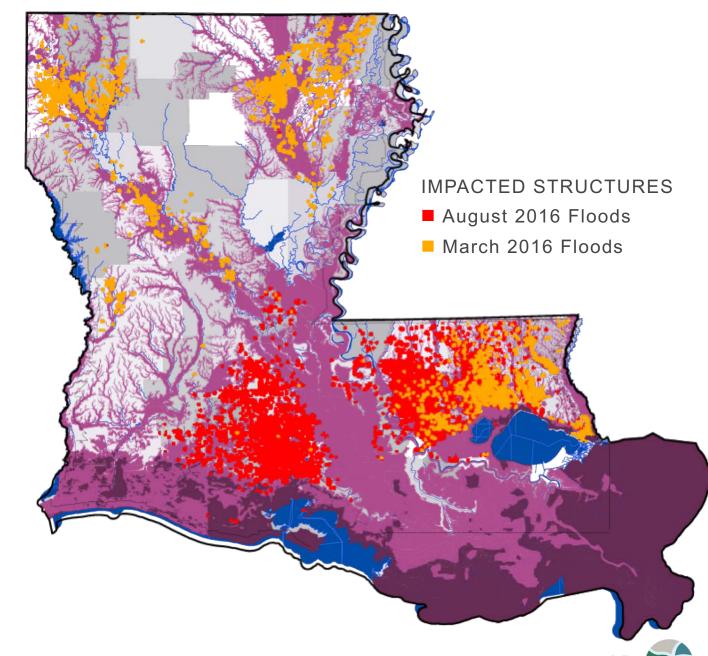
(SOURCE: LOUISIANA WATERSHED RESILIENCY STUDY. MAP 3.5.1. FEMA; DATED UPDATED 20 JULY 2017)



2016 August and March Floods

Combined total of 145,000 structures impacted.

More than 7.1 trillion gallons of rain.





Timeline



OUR MISSION

Reduce flood risk and improve floodplain management across the state, including through maximizing the natural and beneficial functions of the floodplain

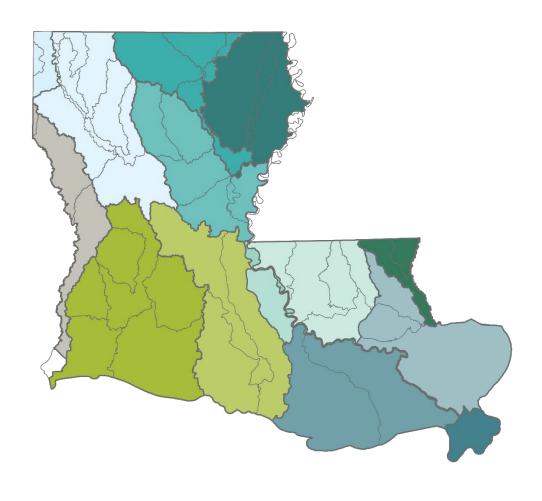












Strategic Areas

of Focus



The goal is to improve water management to proactively address flood risk and mitigation.



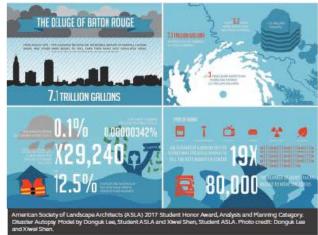
Louisiana Watershed Initiative

Program Development



In 2016, Louisiana experienced two historic rain events that exposed our state's current floodplain management challenges.

In August 2016, more than 7 trillion gallons of rainwater fell on the state, resulting in more than 31 inches of rain in parts of Livingston Parish alone (the area hit hardest by the event) (Di Liberto 2016), Governor John Bel Edwards called the disaster a "historic, unprecedented flooding event" (Phippen 2016), approximately 146,000 homes were damaged due to the flooding (Broach 2016). Economic damages were approximated at more than \$10 billion, and the state has a long road ahead to reach full recovery (The Advocate 2016). Just months prior to this catastrophic event, flash flooding in March 2016 set records with historic rainfall and river crests damaging at least 12,000 homes in the state (Allen 2016 Vagell 2016).



PHASE I INVESTIGATION

Set the stage for state agency coordination alignment of programs, policies, and practices

\$1.2 BILLION HUD CDBG ALLOCATION

Creates opportunity for long-term governance structures, demonstration projects, adoption of higher development standards, improved policies and approaches

What do we know today about water management and flood risk reduction?



WE UNDERSTAND

- Water knows no boundaries.
- It requires a new way of thinking.
- It requires a watershed approach.
- We need to address inland and coastal flooding to mitigate future flood loss.

Current efforts tailor best practices to LA

PILOT PROJECTS:

- Amite River Basin Model
- State Agency Resilience Internal Audit
- State Agency H&H Model Use in Project Prioritization
- H&H Model Use in Local Development Review



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DATA & MODELING

- Extensive Data Gap Analysis
- RFQs for 7 modeling watershed regions currently advertised
- Investigation re: implementation statewide monitoring network anticipated May 30th







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REGIONAL MANAGEMENT

 Consensus building around provisional regional watershed boundaries/steering committee composition



Louisiana Watershed Initiative *Listens*

Transparent & Collaborative Approach to Program Design

FALL 2018

8 REGIONAL CONFERENCES

Locals informing the process

engineers, planners, floodplain managers, public works staff, emergency responders, code enforcement staff, elected officials, and more



Louisiana Watershed Initiative Listens

Transparent & Collaborative Approach to Program Design



WINTER 2019

TWO DAYS IN HARD HIT AREAS

National experts informing the process

150

local, state, and national experts in attendance and another **1,000**+ who joined us online

Louisiana Watershed Initiative Listens

Transparent & Collaborative Approach to Program Design

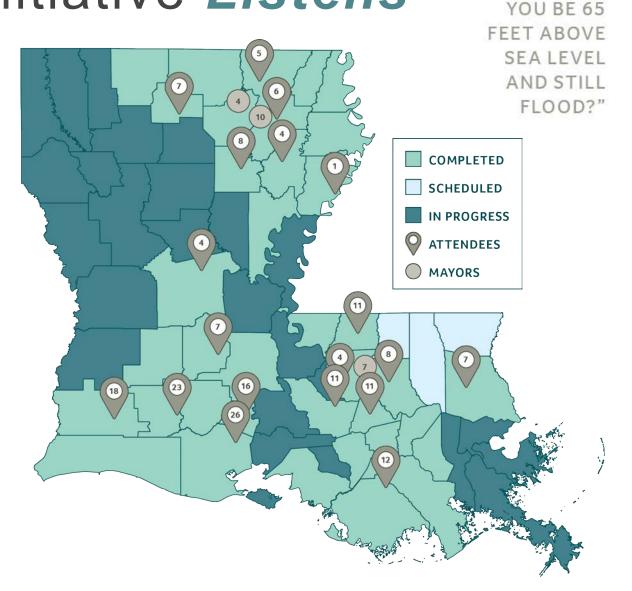
SPRING 2019

36 PARISHES - PART 1

Local leaders inform the process

To date, we've engaged nearly 190 attendees

Representative of 36 parishes located in the state's most impacted watersheds



"HOW CAN

Parish Leadership Meetings Recap

LOCAL VOICES

"How can you be 65 feet above sea level and still flood?"

"Streets we've never seen go under water, are going under water, because everything is full."

"With the expected snow melt, and June peak river heights, we are—again—preparing for the worst."

International Best Practices Workshop with Henk Ovink

MAY 24, 2019

Center for Coastal and Deltaic Solutions, Baton Rouge

Ovink shared his experiences addressing flood risk in The Netherlands and around the world (e.g., overlapping jurisdictions and long-term governance around flood risk issues)

LWI Council and technical advisory group members were able to share their most pressing challenges, ask questions and seek guidance to guide ongoing program and planning efforts



International Best Practices Workshop with Henk Ovink

MAY 24, 2019

"Data without THE PROCESS is worthless."

"Focusing on both long-term GOVERNANCE and short-term

DEMONSTRATION PROJECTS will be key to the Initiative's success."

and long-term governance around flood risk issues

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Provisional Regional Steering Committees

SHARING RESPONSIBILITY FOR RESILIENT DECISION-MAKING AND IMPLEMENTATION



Parish Leadership Meetings Recap

FEEDBACK AND FINDINGS

- Input provided on two priority topics:
 - Provisional Watershed Boundaries
 - Proposed Regional Steering Committees
- Provided a better understanding of impacts, a sense of urgency and engagement in the Initiative's mission
- Feedback captured through exit surveys and LWI staff reports/parish feedback form

Provisional Regional Steering Committees

SHARING RESPONSIBILITY FOR RESILIENT DECISION-MAKING AND IMPLEMENTATION

Regional Steering Committees

- Organized within watershed-based boundaries
- Minimum 11-13 residents with diverse areas of expertise in watershed issues

Provisional Regional Geographic Boundaries

DRAFT: FOR DISCUSSION



Parish Leadership Meetings Recap

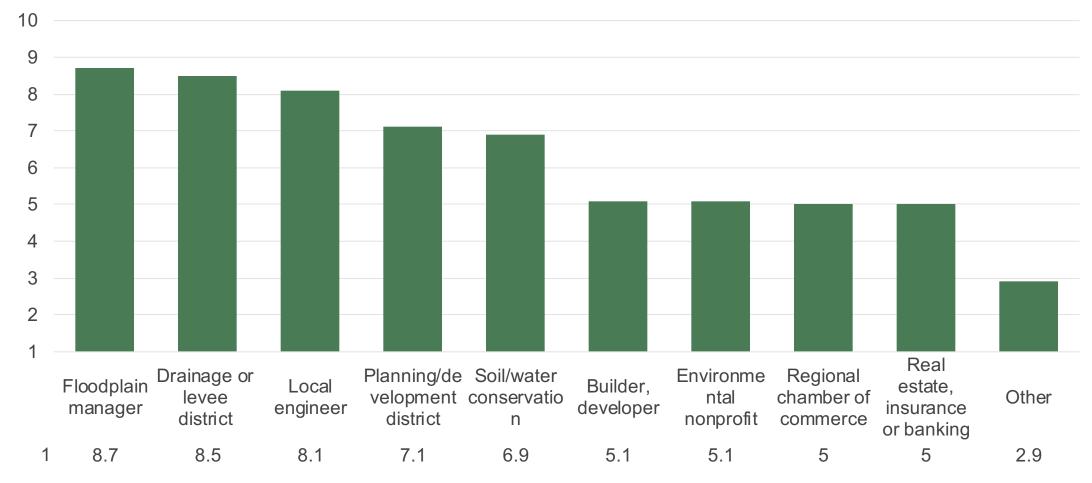
SURVEY FINDINGS

- Provisional Watershed Boundary Delineation
 - Overwhelming support in favor of delineating
- Regional Steering Committee Composition
 - Highest-priority membership recommendations included:
 - Floodplain managers
 - · Local drainage or levee district representatives
 - Local engineers



Parish Leadership Meetings Recap

REGIONAL STEERING COMMITTEE RECOMMENDATIONS





Parish Leadership Meetings Recap

ADDITIONAL KEYS AREAS OF FEEDBACK

- Need for increased collaboration across multiple parish boundaries and larger regions
- Planning that remains proactive versus reactive
- · Refining provisional watershed regions and boundaries where feasible

Parish Leadership Meetings

PARISH LEADERSHIP SURVEY: SHARE YOUR FEEDBACK

- Seeking feedback from parish leaders and staff on provisional watershed boundaries, regional steering committee composition, and more
- Visit the link below to take a quick survey and share your feedback:

WATERSHED.LA.GOV/REGIONALSURVEY

Updates

ENGAGEMENT ACTIVITIES

2019 Legislative Update

MAY 29-JUNE 6 2019

Louisiana State Capitol Baton Rouge, LA

Includes an overview of progress to-date

Information packets with key program information, parish leadership meeting updates, and LWI staff contact information to be distributed



2019 LEGISLATIVE UPDATE:



Interstate Summit

JUNE 12, 2019

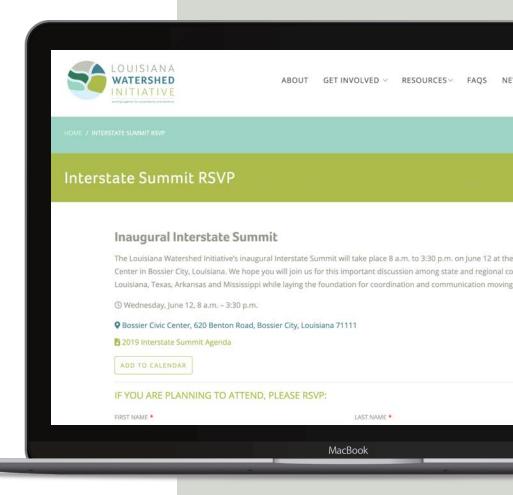
Bossier Civic Center, Bossier City

Focus on bringing together state and regional counterparts in Louisiana, Texas, Arkansas and Mississippi to build partnerships and enhance coordination of water management issues across state lines

Free and open to the public – attendees will include state, regional and local leadership working on flood risk reduction programs or initiatives near state lines in Louisiana, Texas, Arkansas and Mississippi

RSVP today at:

WATERSHED.LA.GOV/INTERSTATE-SUMMIT-RSVP



Next Steps

REGIONAL CAPACITY BUILDING GRANT PROGRAM: SUMMER 2019

Capacity Building Grant Program



OBJECTIVE

Enhance the capacity of local floodplain management and mitigation efforts, watershed coalitions, and other regional entities

ELIGIBLE (CTIVITIES

- Coalition-building
- Policy development/evaluation
- Grant application support
- Program development

- Planning/ plan alignment efforts
- Outreach, education, and training
- Other non-structural activities that support floodplain management and risk reduction

Program Description

ELIGIBLE APPLICANTS

- Planning and Development Districts (PDDs)
- Metropolitan Planning Organizations (MPOs)

Watershed-Based Regional Entities
 (Groups of parishes and other
 local/regional governments that convene
 within a defined watershed-based region)

ANTICIPATED

SUMMER 2019
Council presentation
and webinar

SUMMER 2019 Open NOFA FALL 2019
Award Notices



Next Steps

STATEWIDE RIVER AND
RAIN GAUGE MONITORING NETWORK

Building the Network

A COLLABORATIVE APPROACH

- Public meeting with industries
- Development of backbone network in collaboration with USGS and other agencies
- Collection of stakeholder feedback on preliminary network design
- Assessment of costs circulated within LWI
- Issuance of a statewide RFP, pending guidelines in the Federal Register Notice





Next Steps

CDBG-MIT FUNDING ACTION PLAN APPROVAL PROCESS

\$1.2B CDBG-MIT Funding

REQUIRED NEXT STEPS ARE TIME CONSUMING

- 1. <u>Updated Action Plan</u> (in development) in response to FRN
- 2. LWI Council Meeting to review/approve summary & budget
- 3. Proposed Action Plan published, including a minimum 30-day period for <u>citizen review and comment</u> (*pre-submittal*)
- 4. <u>HUD review and approval</u> of the Action Plan takes up to 45 days; more to address comments, revisions, or plan denial
- 5. Before disbursing funds to any organization that is carrying out CDBG activities, a <u>written agreement</u> must be executed

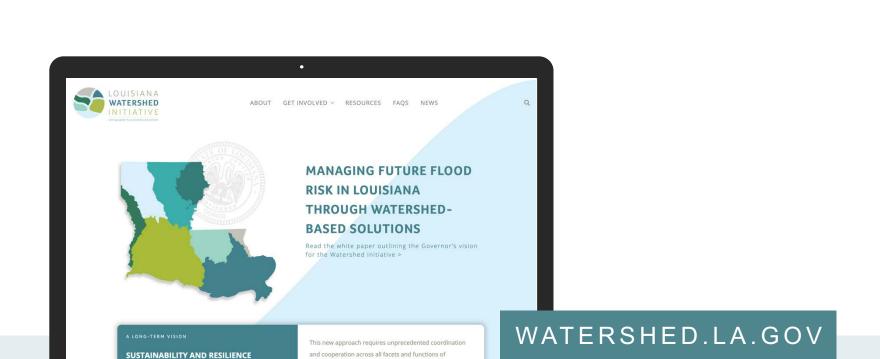
Public Comment

Closing Remarks

f @LAWATERSHEDINITIATIVE

THROUGH SCIENCE, ENGINEERING AND

- **●** @LAWATERSHED
- WATERSHED@LA.GOV



government agencies as we work together to mitigate

Thank You