Agenda

• Approval of Minutes
• Welcome and Background
• Technical Advisory Group Updates
• Ouachita Strong Presentation
• Public Comment
• Council Discussion & Approvals
• Closing
Approval of Minutes

August 15, 2018 Meeting Minutes
MISSION

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

Why Watershed?
**BACKGROUND**

**Timeline**

- **Phase I** (Late 2017-2018)
  - Roadmap created with preliminary findings

- **Phase II** (2018-2019)
  - Initial implementation and framework refinement

- **Phase III** (2019+)
  - Final framework and full implementation
BACKGROUND

Decision-making Structure

The Council is supported by Technical Advisory Groups who ensure integration of stakeholder input and transparency of process.
Our success will rely on input from national, state, local, non-governmental, private sector, academic, and citizen stakeholders.
Technical Advisory Group Updates

- Policy
- Data
- Planning
- Public Relations
- Projects
- Engagement
Working Group

Members

<table>
<thead>
<tr>
<th>Name</th>
<th>Agency</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sam Martin</td>
<td>CPRA</td>
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<tr>
<td>Danica Adams</td>
<td>OCD</td>
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<tr>
<td>Jeffrey Giering</td>
<td>GOHSEP</td>
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<tr>
<td>Pat Landry</td>
<td>DOTD</td>
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<tr>
<td>Matt Weigel</td>
<td>LDWF</td>
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</table>

Key Roles

- Inform the development of the Program
- Help meet the objectives of the Program and directives of the Council
- Support funding alignment
- Track, document, and communicate progress, projects, and budget of the Program
- Ensure internal alignment and vertical and horizontal integration of clear objectives, actions, and messaging from the Program
Working Group Update

Orders of Business

• Identify key Initiative documentation
• Alignment activities:
  • Identify every program that could be impacted by the Program
  • Identify existing related program gaps
  • Identify opportunities for fund source alignment
  • Identify opportunities for alignment of existing agency plans

Completed

• Initial budget
• Schedule through end of year
• Develop model agreement for inter-agency staffing
• File management structure
• FRRP assessment outcomes
• TAGs plans
• PR TAG coordination
• Confirm TAG initial process
• Build consensus around expectations for the Data, Policy, Projects, and Engagement TAGs
Discussion Topics

- Regional hiring strategy
- Initial program metrics
- Alignment with the Initiative
## Engagement TAG Overview

<table>
<thead>
<tr>
<th>Members</th>
<th>Mission</th>
</tr>
</thead>
<tbody>
<tr>
<td>Jeffrey Giering</td>
<td>• Leverage the knowledge of diverse stakeholders, both in and out of</td>
</tr>
<tr>
<td>DOTD</td>
<td>state, to inform Louisiana Watershed Initiative efforts</td>
</tr>
<tr>
<td>GOHSEP</td>
<td>• Provide support to state agencies and TAGs to ensure outreach and</td>
</tr>
<tr>
<td>Mike Steele</td>
<td>engagement efforts through the Initiative remain coordinated and</td>
</tr>
<tr>
<td>Gov. Office</td>
<td>collaborative in nature</td>
</tr>
<tr>
<td>Sandra Gunner</td>
<td>• Support the development of engagement strategies developed by other</td>
</tr>
<tr>
<td>OCD</td>
<td>TAGs as they seek to answer specific questions about the Initiative</td>
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<td></td>
<td>that may involve or impact distinct stakeholders or stakeholder</td>
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<td></td>
<td>groups</td>
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</table>

**Mission**

- Leverage the knowledge of diverse stakeholders, both in and out of state, to inform Louisiana Watershed Initiative efforts.
- Provide support to state agencies and TAGs to ensure outreach and engagement efforts through the Initiative remain coordinated and collaborative in nature.
- Support the development of engagement strategies developed by other TAGs as they seek to answer specific questions about the Initiative that may involve or impact distinct stakeholders or stakeholder groups.
Interstate Summits
January 14, 2018 - February 1, 2019

• Potential states include Colorado, Minnesota, Florida, King County, Washington, and others as identified

• FEMA will provide invitational travel for (3) states

• GOSHEP is currently conducting preliminary phone interviews to identify initiatives relative to relevant proposed elements in Louisiana
Louisiana Watershed Initiative Exchange

• Regional coordination with support from the state's regional planning commissions
• Briefings with state associations
• Letter directly to elected officials and their staff
• Email communication with key stakeholders throughout the state
• Press release to build awareness in local communities
Statewide Outreach

- Oct. 8 Lafayette
- Oct. 16 Monroe
- Oct. 17 Shreveport / Bossier
- Oct. 18 Alexandria
- Oct 23 Houma / Thibodaux
- Nov. 7 Lake Charles
- Nov. 14 Northshore
- Nov. 15 Baton Rouge
Public Relations TAG Overview

Members

<table>
<thead>
<tr>
<th>Name</th>
<th>Organization</th>
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<tbody>
<tr>
<td>Jeffrey Giering</td>
<td>GOSHEP</td>
</tr>
<tr>
<td>Anne Hawes</td>
<td>CPRA</td>
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<tr>
<td>Rodney Mallett</td>
<td>DOTD</td>
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<tr>
<td>Mike Steele</td>
<td>GOHSEP</td>
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<tr>
<td>Ed Pratt</td>
<td>LDWF</td>
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<tr>
<td>Marvin McGraw</td>
<td>OCD</td>
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Mission

- Provide timely, true, digestible information regarding the Council for Watershed Management and the Louisiana Watershed Initiative to media outlets
- Proactively communicate the progress of the Council and the Initiative
- Increase public awareness and knowledge of necessary watershed-based floodplain management measures
Public Relations TAG Overview

Initial Orders of Business

- Watershed Initiative website
- Social media plan and presence
- Watershed Initiative Exchange exchange
- Near and long-term public relations and program engagement plan (in coordination with Engagement TAG)

Initial Milestones

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>8/15/2018</td>
<td>TAG Plan</td>
</tr>
<tr>
<td>9/25/2018</td>
<td>Website Launch</td>
</tr>
</tbody>
</table>
Watershed Initiative Website Update

http://watershed.la.gov
Communications Strategies (Near-Term)

• Brand standards to support consistency in communications and messaging
• Website with easy and direct access to information, resources, and upcoming meetings
• Email communication with elected officials, community stakeholders, and others on program developments or meetings
• Press releases to drive media awareness and citizen or stakeholder participation throughout the state
• Social media presence (Facebook/Twitter - @lawatershed) to disseminate information in real-time, supported by coordinated content sharing by all state agency public information officers (PR TAG)
• Dedicated email address for coordinated correspondence and communication about the program – watershed@la.gov
• Active and ongoing coordination across all PR TAG members to ensure accurate information is communicated and updates on related programs are coordinated
Projects TAG Overview

Members

<table>
<thead>
<tr>
<th>Name</th>
<th>Agency</th>
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<tbody>
<tr>
<td>Matt Weigel</td>
<td>LDWF</td>
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<tr>
<td>Stu Brown</td>
<td>CPRA</td>
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<tr>
<td>Amanda Vincent</td>
<td>DEQ</td>
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<tr>
<td>Billy Williamson</td>
<td>DOTD</td>
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<td>Jeffrey Giering</td>
<td>GOHSEP</td>
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<tr>
<td>Raynie Harlan</td>
<td>LDWF</td>
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<tr>
<td>Adrienne Celestine</td>
<td>OCD</td>
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</table>

Mission

- Foster trust by providing extreme consistency and transparency in decision-making related to project funding decisions.
- Identify and help develop projects that increase state and local resilience to flooding using the natural and beneficial functions of the watershed and its floodplains, and which manage floodplains using contextually appropriate best practices.
Projects TAG Overview

Orders of Business

- **Immediate need:** Initial physical project evaluation criteria and review body set up - What are the criteria for No Adverse Impacts and No Regrets Projects?

- How can analysis and decision-making be structured to provide the greatest consistency and transparency in project evaluation?

- How can the key values of the Louisiana Watershed Initiative and the requirements associated with various funding sources be represented and embodied in decision-making criteria?

- How can the use of data and policy create criteria for future funding sources?

**Milestones**

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<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>8/15/2018</td>
<td>Round I, Phase I DRAFT Knockout Criteria</td>
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<tr>
<td>9/25/2018</td>
<td>Round I, Phase II DRAFT Initial Eval. Criteria</td>
</tr>
<tr>
<td>9/25/2018</td>
<td>Round I, Eligible Activities</td>
</tr>
<tr>
<td>11/7/2018</td>
<td>Pre-Application &amp; Application</td>
</tr>
<tr>
<td>1/20/2019</td>
<td>Decision Support Tool</td>
</tr>
</tbody>
</table>
HUD Mitigation Funding
Construction Projects – Application Rounds / Phases

Round 1

Near-Shovel Ready:
- Do not create regrets
- Reduce flood risk AND improve natural functions of the floodplain

Round 2

Based in Watershed Modeling:
- Science Based
- Reduce flood risk AND improve natural functions of the floodplain

Future Rounds

Based in Watershed Modeling:
- Science Based
- Reduce flood risk AND improve natural functions of the floodplain
ROUND 1 APPLICATION PROCESS

PHASE I
PRE-APPLICATION

PHASE II
DETAILED APPLICATION

PHASE III
FINAL DESIGN

PHASE IV
CONSTRUCTION

Submission of Eligible Project Activity

Review Criteria

<table>
<thead>
<tr>
<th>CATEGORY</th>
<th>METRIC</th>
<th>Score 1-5</th>
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<tbody>
<tr>
<td>FEASIBILITY</td>
<td>% Design Development</td>
<td>XX</td>
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<tr>
<td>FLOOD IMPACTS</td>
<td>Upstream/Downstream</td>
<td>XX</td>
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<td>ENVIRONMENTAL</td>
<td>Text</td>
<td>XX</td>
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<tr>
<td>EX: XXX</td>
<td>Text</td>
<td>XX</td>
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<tr>
<td>TOTAL SCORE</td>
<td>Text</td>
<td>XX</td>
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</tbody>
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EVALUATION AND PRIORITIZATION

DESIGN CRITERIA

ex: Confirm that metrics from Phase II are embedded in design
ex: Permitting Process
ex: Text

ENVIABILITY REVIEW

DESIGN REVIEW

DRAFT
Round 1 – Phase I Threshold Criteria

NOT ELIGIBLE: Construction activities that...

- Are only for maintenance of existing systems, response, temporary measures, or deferred maintenance
- Have started prior to submission of application (reimbursement request)
- Do not mitigate current flood risk
- Do not create an independent utility or complete solution for the proposed risk level
- Disconnect waterways from natural floodplains or propose re-alignment of natural waterways

Applications MUST supply the following:

- Up / Downstream Impacts
- Consistency with State Plans
- Externalities / Agreements with neighboring communities (as needed)
- Future development plans in the proposed area
- Adopted resolution agreeing to participate in Watershed Coalition Building activities
Round 1 – Phase II
Initial draft project evaluation criteria

<table>
<thead>
<tr>
<th>Review Factors</th>
<th>Maximum Points</th>
<th>Required Points</th>
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<tbody>
<tr>
<td>Effectiveness</td>
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<tr>
<td>Feasibility</td>
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<tr>
<td>Affordability / Schedule</td>
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<tr>
<td>Design Life &amp; Adaptability</td>
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<tr>
<td>Social Benefits</td>
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<tr>
<td>Natural Functions</td>
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<tr>
<td>Total</td>
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## Policy TAG Overview

<table>
<thead>
<tr>
<th>Members</th>
<th>Mission</th>
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</thead>
<tbody>
<tr>
<td>Sam Martin</td>
<td>- Create a path for the state to promote actions, including legislative, administrative and regulatory, to enhance watershed and floodplain management in Louisiana</td>
</tr>
<tr>
<td>Lauren Nichols</td>
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<tr>
<td>Krista Jankowski</td>
<td></td>
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<tr>
<td>David Schultz</td>
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<tr>
<td>Kyle Balkum</td>
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<tr>
<td>Cindy O’Neal</td>
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<tr>
<td>Jonathan McFarland</td>
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<tr>
<td>CPRA</td>
<td>• Ensure decisions use the best available science, technology and knowledge</td>
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<td>OCD</td>
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<td>CPRA</td>
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<td>DOTD</td>
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<tr>
<td>DEQ</td>
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Policy TAG Overview

Orders of Business

• Develop recommendations to achieve alignment of existing state programs with the mission of the Initiative
• Statewide policy investigation
  • Coordinate with local and regional stakeholders to understand policy-related needs and perceptions
  • Continue to investigate best practices and lessons learned within and outside Louisiana
  • Develop best practices and recommendations related to local and watershed-based, and possible statewide and market-based policy-related solutions

Milestones

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<td>Existing Agency Policy Investigation</td>
</tr>
<tr>
<td>12/20/2018</td>
<td>Statewide Policy Investigation</td>
</tr>
<tr>
<td>1/30/2019</td>
<td>Recommendations for policy alignment</td>
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# Planning TAG Overview

<table>
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<tr>
<th>Members</th>
<th>Mission</th>
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<tbody>
<tr>
<td>TBD</td>
<td>TBD OCD</td>
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<td>TBD</td>
<td>TBD DEQ</td>
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<td>TBD</td>
<td>TBD FP&amp;C</td>
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<tr>
<td>TBD</td>
<td>TBD AG&amp;F</td>
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<tr>
<td>TBD</td>
<td>TBD DNR</td>
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</table>
Planning TAG Overview

Orders of Business

• Considerations/recommendations to develop, implement, and enforce statewide plan
• Recommend content and nature of a statewide floodplain management plan
• Make recommendations for alignment of existing plans

Milestones

<table>
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<tbody>
<tr>
<td>9/25/2018</td>
<td>TAG Plan</td>
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<tr>
<td>11/7/2018</td>
<td>Existing State Plans Investigation</td>
</tr>
<tr>
<td>12/20/2019</td>
<td>Draft recommendations to develop, implement, and enforce</td>
</tr>
<tr>
<td>Feb. 2019</td>
<td>Presentation to legislature for SR 172</td>
</tr>
<tr>
<td>March 2019</td>
<td>Kickoff Statewide planning process</td>
</tr>
</tbody>
</table>
Break
DATA TECHNICAL ADVISORY GROUP

MEMBERS

Robby Maxwell  LDWF
Drew Smith      USACE
Dave Ramirez    USACE
Diane Howe      FEMA
Chuck Berger    DEQ
Todd Baumann   USGS
Ed Haywood     CPRA
John Sheehan   DEQ
Chuck Villarrubia CPRA
Ed Knight      DOTD

MISSION

• Provide a solid foundation of science and engineering that can be used to address flooding issues across the state, and ensure that excellent quality and consistency across platforms is achieved
• Incorporate the use of this science and engineering into all programs and data endeavors within the Louisiana Watershed Initiative

INITIAL MILESTONES

• September 25: Draft initial modeling standards
• October and November: Data workshops and listening sessions
• November 7. Initial data gap analysis results presented before the Council
• December 20. Recommendations
• January 30. Mapping Tool content recommendations
• Spring 2019: (given funding availability) Begin next phase of modeling efforts

TRACKS

Data Track
Modeling Track
DATA TRACK

Mission

• Identify data needs and minimum standards needed to understand and address flood risk across the state at both watershed and site-specific scales
• Clarify gaps in data existence, age, and quality, and provide a recommended plan to close data gaps, as well as store, manage, and maintain the data long term

ORDERS OF BUSINESS

1. Develop and prioritize the data list
2. Complete an initial data gap analysis
3. Recommend an implementation process by which detailed data gathering and development will occur
4. Data storage, maintenance, and update methods
## Technical Workshops and Listening Sessions

<table>
<thead>
<tr>
<th>Date</th>
<th>Location</th>
<th>Topic</th>
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<tbody>
<tr>
<td>October 8</td>
<td>Lafayette</td>
<td>National Hydrography Dataset and Watershed Boundary Dataset</td>
</tr>
<tr>
<td>October 16</td>
<td>Monroe</td>
<td>Historical flood data</td>
</tr>
<tr>
<td>October 17</td>
<td>Shreveport</td>
<td>River gauges and LiDAR</td>
</tr>
<tr>
<td>October 18</td>
<td>Alexandria</td>
<td>Water quality data, salinity, dissolved oxygen, point source discharges/OSDS</td>
</tr>
<tr>
<td>October 23</td>
<td>Houma</td>
<td>Conveyance structures, ecological and biological responses</td>
</tr>
<tr>
<td>November 7</td>
<td>Lake Charles</td>
<td>Statewide hydraulic structures, Impervious surface, bridges and roads, traffic counts</td>
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<tr>
<td>November 14</td>
<td>Hammond</td>
<td>Transition zones</td>
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<tr>
<td>November 15</td>
<td>Baton Rouge</td>
<td>Amite River basin model</td>
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<tr>
<td>Time</td>
<td>Agenda Item</td>
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<tr>
<td>9:00-10:30</td>
<td><strong>TECHNICAL WORKSHOP</strong></td>
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<td></td>
<td><strong>DATASET WORKSHOP (SPECIFIC DATASET)</strong></td>
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<td></td>
<td>• Intended Audience: technical experts, consultants, municipal, regional, state, federal staff</td>
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<td></td>
<td>• Brief presentations from subject matter experts about distinct datasets that relate to floodplain management and/or flood risk reduction</td>
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<td>• Facilitated discussion with attendees regarding how this data is used at the local or regional level to understand address flood risk, the current state of the data, options for data standards, and approaches to fill data gaps</td>
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<tr>
<td>10:30-11:00</td>
<td><strong>BREAK</strong></td>
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<td>11:00-12:30</td>
<td><strong>TECHNICAL EXCHANGE</strong></td>
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<tr>
<td></td>
<td>• Intended Audience: technical experts, consultants, municipal, regional, state, federal staff</td>
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<td></td>
<td>• Brief presentations from locals re: local initiatives</td>
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<tr>
<td></td>
<td>• Facilitated discussion with attendees regarding how data is used at the local or regional level to understand address flood risk, the current state of the data, options for data standards, and approaches to fill data gaps</td>
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</tbody>
</table>
What is the data?

How can it be used to understand and address flood risk?

What is the status of the data?

What are the options for minimum and goal standards?

What are the optional approaches to fill the gaps?
Technical Exchange

• Presentation on early technical actions in the Initiative

• Exchange and share:
  • Local experiences
  • Best practices
  • Lessons learned
  • Needs
  • Possible next steps
  • Input and feedback into ideas
MODELING TRACK

MISSION

Identify existing standards to adopt and, if necessary, develop additional standards regarding:

• Model data & software tools
• Use
• Quality control
• Storage
• Update and maintenance

ORDERS OF BUSINESS

1. Recommend standards to be used with approved model software to develop watershed model applications that represent the flood risk for the watershed
2. Recommend an implementation process by which models can be developed across the state
3. Recommend quality control roles, responsibilities, and procedures
4. Recommend long term maintenance protocol for storage, update, and maintenance requirements for the models
MODELING TRACK

MISSION

Identify existing standards to adopt and, if necessary, develop additional standards regarding:

- Model data & software tools
- Use
- Quality control
- Storage
- Update and maintenance

ORDERS OF BUSINESS

1. Recommend standards to be used with approved model software to develop watershed model applications that represent the flood risk for the watershed
2. Recommend an implementation process by which models can be developed across the state
3. Recommend quality control roles, responsibilities, and procedures
4. Recommend long term maintenance protocol for storage, update, and maintenance requirements for the models

TODAY, WE WILL PRESENT INITIAL FINDINGS, TO BE CONFIRMED THROUGH FURTHER ENGAGEMENT
Order of Business 1: Model Standards

**Purpose**

What is the purpose of the models?

- Identify and assess flood risk
- Empower local watershed coalitions to address risks
- Quantify impacts of flood events
- Aid in future watershed planning, water quality assessments, and ecological assessments
- Support infrastructure design by local watershed coalitions and other stakeholders
- Guide decisions about projects, policy, land use
- Update DFIRMS for communities that participate in NFIP

**Capabilities**

What do we need the models to be able to do?

- Predict flow in water bodies for design/actual storm events
- Predict flood hydrographs generated by watersheds
- Predict flood depth, WSEs, and extent along water bodies
- Predict coastal storm surges, wave heights/effects
- Predict WSEs in transition zones between river and marine areas
- Predict surface and groundwater interaction
- Generate floodplains, floodways, base flood elevations on watershed level for mapping
Order of Business 1: Model Standards

Scale: To what level of detail do we need the models constructed?

- Will vary depending on characteristics/needs of watersheds
  - Built environment characteristics
  - Density/complexity of flood conveyance system
  - Source of contaminants and hazardous substances
  - Integrate with watershed planning
  - Future projects and land use plans
  - Presence of economic assets

Software: What model software meets the needs?

- Riverine – HEC-RAS (1D and 2D)
- Coastal – ADCIRC
- Groundwater – MODFLOW
- Watershed – HEC-RAS (1D and 2D) and SWMM
- Transition zones – TBD
- Other FEMA accepted models as needed
Order of Business 1: Model Standards

Reporting standards: How will modeling results be reported?

Input: What minimum data are required?

- LIDAR/Topography
- Channel surveys/Bathymetry
- Rainfall (spatially distributed)
- Hydraulic structures (minor and major crossings)
- Existing and Future land use
Order of Business 2: Implementation Process

Model Integration

- How will existing modeling work be integrated?
  - Nesting & Transitions

Study Area Methodology

- How can the waterways and water bodies across the state be geographically divided for implementation?
  - Regional models cascading down to local models

Study Area Breakdown

- How are the study areas divided across geographies?
  - Regional models interoperable with local models
### Order of Business 2: Implementation Process

Study area prioritization: How might these study areas be prioritized?

#### Risk
- Total population
- Population in SFHA and behind levees
- Building exposure
- Flood losses
- Disaster of declarations
- # NFIP policies

#### Need
- No flood insurance study or hazard mitigation plan
- Mitigation action needs
- % urban area change
- Population/mileage unknown/unverified
- Community requests
- # claims outside SFHS
- # LOMAS/LOMRS

#### Equity
- % area covered by non-digital flood data
- Existing Risk MAP projects
- FEMA investment

#### Data
- Availability of local data
- Data meets FEMA standards
- Quality LIDAR
Order of Business 3: Quality Assurance and Quality Control

What needs to be checked for quality?

What metrics are to be used for model validation?

What is the quality control process?
Order of Business 4: Model Storage and Maintenance

Processes to collect, store, and maintain models

Allow for models to be checked in and out for use by local watershed coalitions and other stakeholders
Next Steps

• Deeper engagement of subject matter experts
• Transition zone and Amite case study workshops
• Regional technical sessions to obtain input and feedback
• Detailed standards and implementation plan
Ouachita Strong Presentation

Resilient Floodplain Management
July 30, 2018
The Honorable John Bel Edwards
Office of the Governor
P.O. Box 94004
Baton Rouge, Louisiana 70804

RE: Watershed Advisory Committees and Stakeholders

Dear Governor Edwards:

As you are well aware, Northeast Louisiana suffered widespread damage and devastation during the March 2016 Flood event, the costliest flood to impact our region to date. Since that time, agencies have come together to work hand-in-hand in recovery efforts.

Earlier this year, local agencies formed a parish-wide organization known as Ouachita Strong to develop a resiliency strategy that will guide our community in the event of future natural disasters. With the help of OCD, FEMA, GOHSEP and numerous other local, state, and federal partners, we have made great strides toward these efforts. Ouachita Strong just concluded a series of public meetings and is now in the process of writing a strategic resiliency plan using the National Framework (NDRF) to manage this project.

The mantra for Ouachita Strong remains, “flood waters know no boundaries.” This is a reminder to us and our citizens, and we are determined to make every effort to be stronger, smarter, and better prepared for the next disaster that may come our way.

Ouachita Strong is aware of the Watershed Advisory Committee’s charge to develop an effective method of approach to flood control throughout our State. It is our understanding there will be Technical Advisory Committees (TACs) formed to shape the facets of the plan. Additionally, we understand that several stakeholder groups will be consulted by the TACs in specific areas of expertise.

We submit this letter to you to express our strong interest in participating in this effort. We respectfully request a meeting with the working groups to gain a greater understanding of the areas of expertise you require on the committees and stakeholder groups. Given our extensive knowledge of the region, we welcome the opportunity to suggest candidates to serve on these groups for your consideration. If this is a possibility, please feel free to contact any one of us directly to arrange a meeting at your earliest convenience. Thank you for your efforts to build a stronger, more resilient Louisiana.

Respectfully yours,

Mayor Jamie Mayo
Monroe

OPPJ Pres. Scotty Robinson
Ouachita Parish was the most impacted parish in Northeast Louisiana in the March 2016 event.
Ouachita Parish was the third most impacted parish as a result of the 2016 floods of March and August, combined.
The Ouachita Strong Resiliency Plan is not looking back,
It’s looking ahead to the next event with a focus on actions to reduce risk.
If the same event happened again, there would be fewer families hurt.
Community recover better and quicker.
Self-Help: Communities have taxed themselves and used available resources to begin neighborhood and other drainage projects of a scale that local funding can support, but there are some projects too big for local resources.
Status of Hazardous Mitigation Grant Program Projects (HMGP)
Ouachita Parish Projects

- Ditch Cleaning on L11 Canal from Bayou Desire to Bayou Lafourche
- Dredging Chauvin Bayou from US165 to Chauvin Pump Station to River Styx Pump Station
- Spillway Structure for Cheniere Lake at LA 3033 (Lake to serve as Retention Pond)
- Inspection & Report on all Major Drainage Ditches to identify choke points, blockages & other issues
- Inspection & Report of Duckweed Structure Pipe & Pipe from Upper Bayou Desiard to Lower Bayou Desiard

City of West Monroe Projects

- Detention Basin at old Golf Course Property
- Detention Basin on Black Bayou Canal near Parkwood Dr.
- Detention Basin on Golf Course Creek South of Cypress St.
- Inspection & Report on all Major Drainage Ditches to identify choke points, blockages & other issues

City of Monroe Projects

- Detention Basin on Young's Bayou at City Dump
- Ditch Cleaning on Airport Canal, Lateral A at MLU
- Ditch Cleaning & Widening of Airport Lateral A from MLU west to Millhaven Rd. at Pecanland Mall
- Inspection & Report on Major Drainage Ditches to identify choke points, blockages & other issues
- Inspection & Report of Midway Dam Pipe on Bayou Desiard

City of West Monroe Projects

- Detention Basin on Black Bayou Canal near Parkwood Dr.
- Detention Basin on Golf Course Creek South of Cypress St.
- Inspection & Report on all Major Drainage Ditches to identify choke points, blockages & other issues
Repairs to River Styx Pump Station* $3.3m
Widening Black Bayou & Tributaries* $10m
Widening Young’s Bayou & Tributaries $11.5m
Back Bayou Lake
  a. Repair Hannah's Run $0.3m
  b. Channel to Bayou Desiard & Control Structure $2.3m
Repairs & Modifications to L11
  a. Rework Duckweed Structure $1m
  b. Bayou Desiard Pipe $1m
  c. Clean L11 Fink’s Hwy to Bayou Lafourche $6m
Elevate Midway Dam $1.1m
Replace Chauvin Pump Station Pipes $3m
Improve Drainage 1-20 Economic District $6m
Repair & Improve Ditches - Swayze/Hadley $2.3m
Repair & Improve J1E Canal $0.3m
Synchronize Gauge Boards $0.2m
Clean out intake & sump areas for pump stations $0.3m
Town & Country Levee District Repairs* $3m
Repair & Improve Raccoon Bayou* $3m
Levee at Oregon Trail* $0.3m
Calypso St. Pump Station $3m
Georgia St. Pump Station* $6m
Upgrade Linwell St. Pump Station $3m
Upgrade Riverwood Pump Station $3m
Upgrade Black Bayou Pump Station $3m
West Monroe Industrial Park Outfall Ditch $2m
Golf Course Creek Widening $3m
Parkview St. Lateral (Wessman) $1.1m

* in progress

TOTAL $91,000,000
Policy Initiatives

- Development
- Floodplain Management
- Regional Detention
- Strategic Land Acquisition
- Flood Easements
Some projects cannot be developed without watershed based data and modeling, which the Council is developing.
Potential Regional Projects

- Southeast Ouachita Levee & Pump Station System
- Lafourche Dredging & Detention
- Flood Easements
We are working together, collaboratively, as a community with a common vision for resiliency.
Ouachita Strong Resiliency Strategy
Ouachita Parish, Monroe, Richwood, Sterlington, West Monroe

Ouachita River
EPA / Ecosystem Impact
A process to elicit and organize key *stakeholder values* and relevant *scientific knowledge* for making decisions.

1. Clarify the Decision Context
2. Define Objectives & Measures
3. Develop Alternatives
4. Estimate Consequences
5. Evaluate Trade-offs
6. Implement Monitor & Review

Application of a Structured Decision Process for Informing Watershed Management Options in Guánica Bay, Puerto Rico
We want the Watershed Management Initiative to be effective, as we are on board with the concept, but it must have local input and local voices at the table where policies and decisions are made.
Questions for the Council

• Update on Watershed Modeling – What is scope?
  - To proceed with local planning we need to know progress on hydraulic studies and timeline.
  - How can locals plug into the process and access finished hydraulic models and hydrology studies?

• Timeline for Project Selection & Funding?

• Participation & Representation on the TACs?
Thank you for coming to North Louisiana!
Public Comment
Council Approvals and Discussion
Closing
THANK YOU

watershed@la.gov