

Presentation to the

# Water Resources Commission

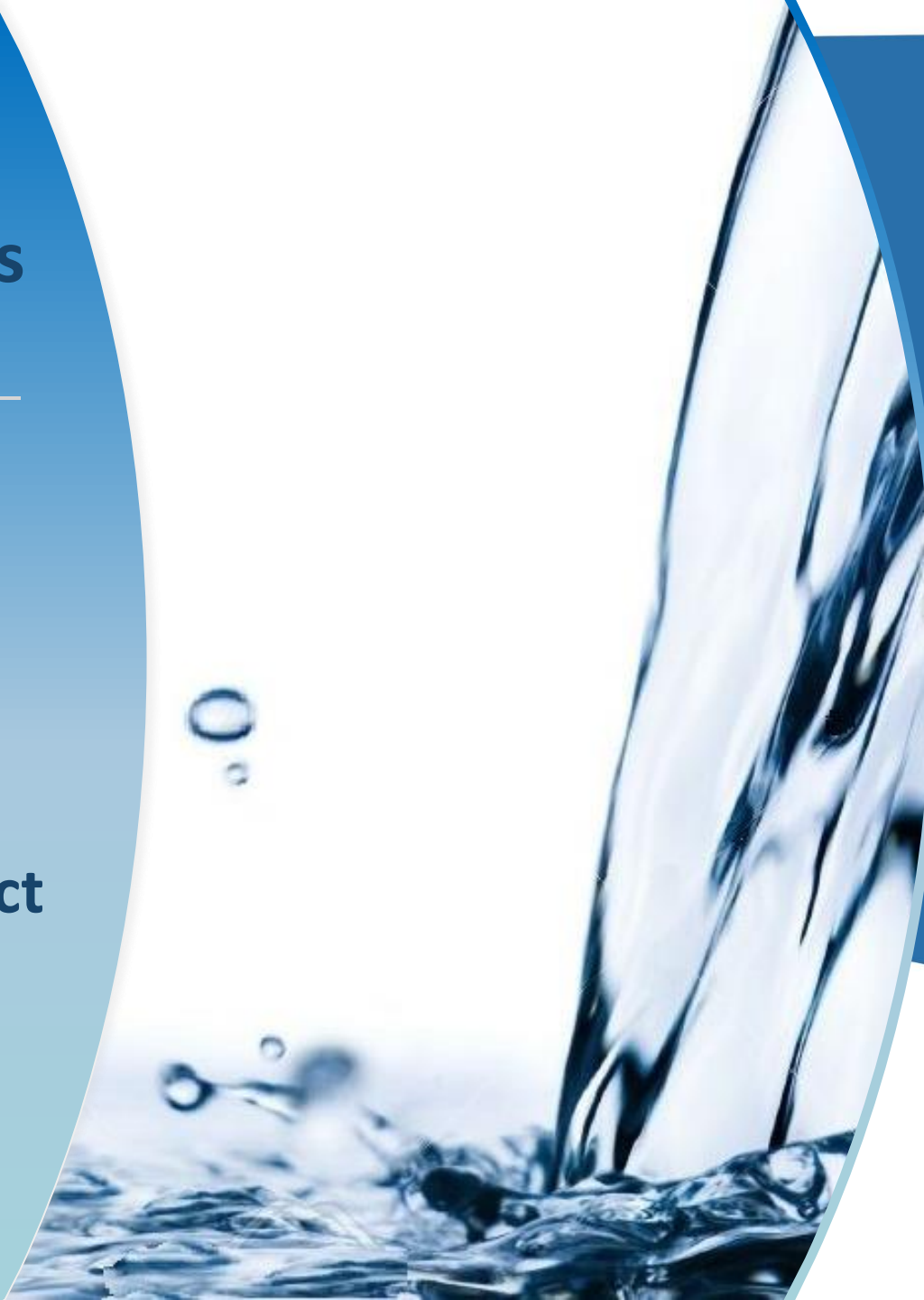
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by

**Gary J. Beard, PE**  
Executive Director

**Capital Area  
Groundwater  
Conservation District**

December 2020



# — Short Term Goals

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**Respond to Legislative Auditor**

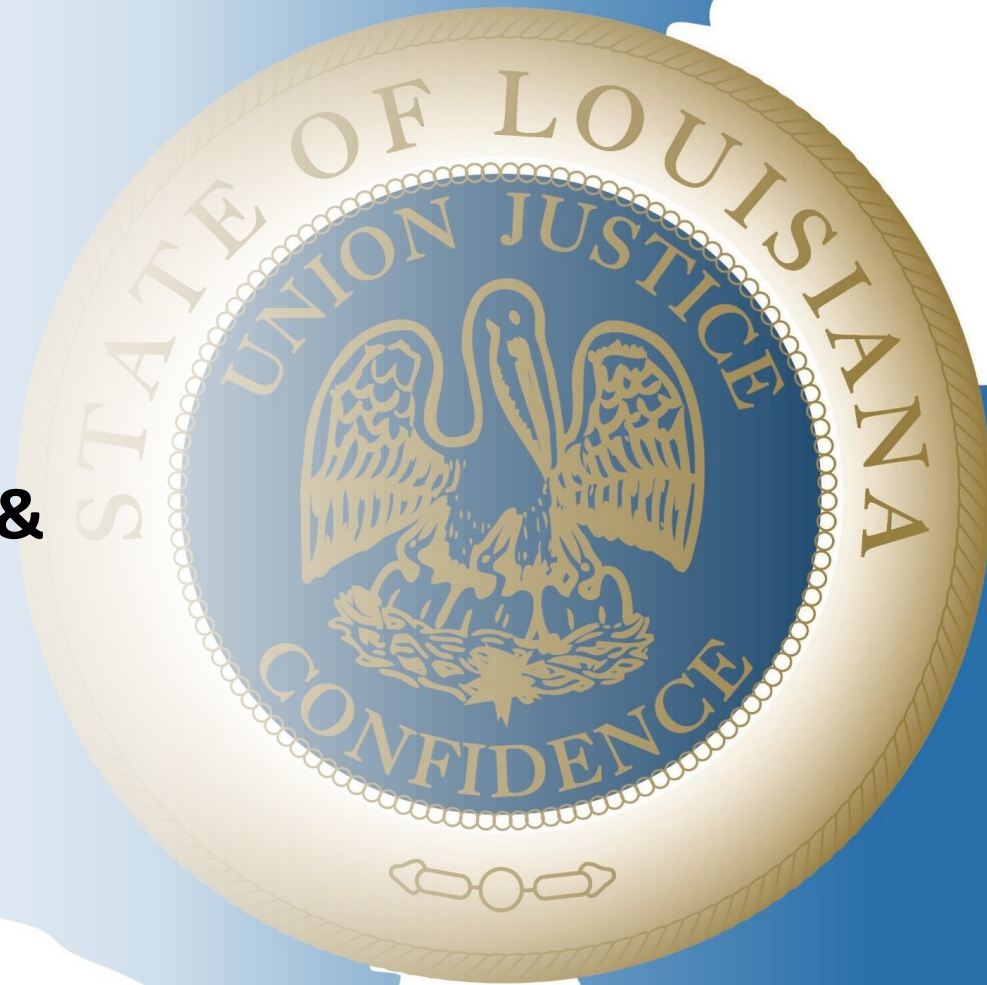


# — Short Term Goals

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**Respond to Legislative Auditor**

**Initiate Preliminary Engineering &  
Strategic Analysis**



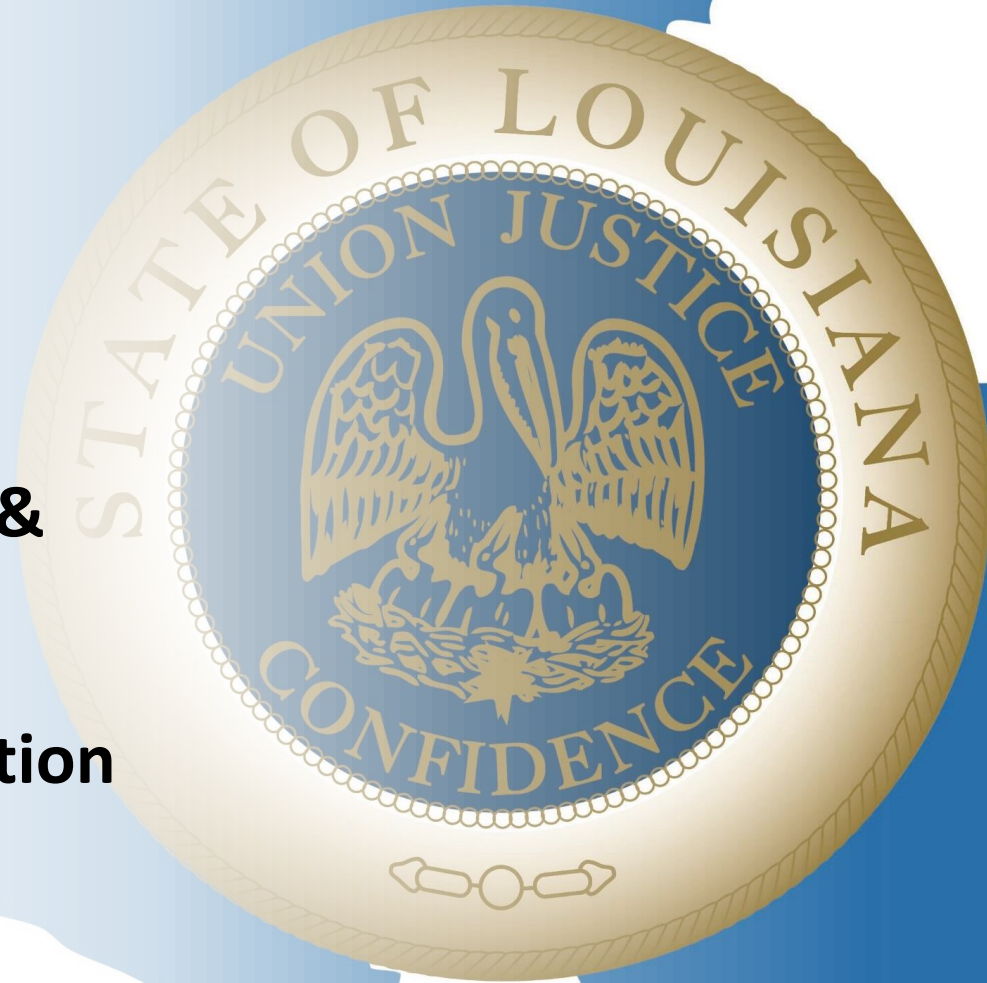
# — Short Term Goals

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**Respond to Legislative Auditor**

**Initiate Preliminary Engineering &  
Strategic Analysis**

**Implement Pumping & Data Collection**



# — Short Term Goals

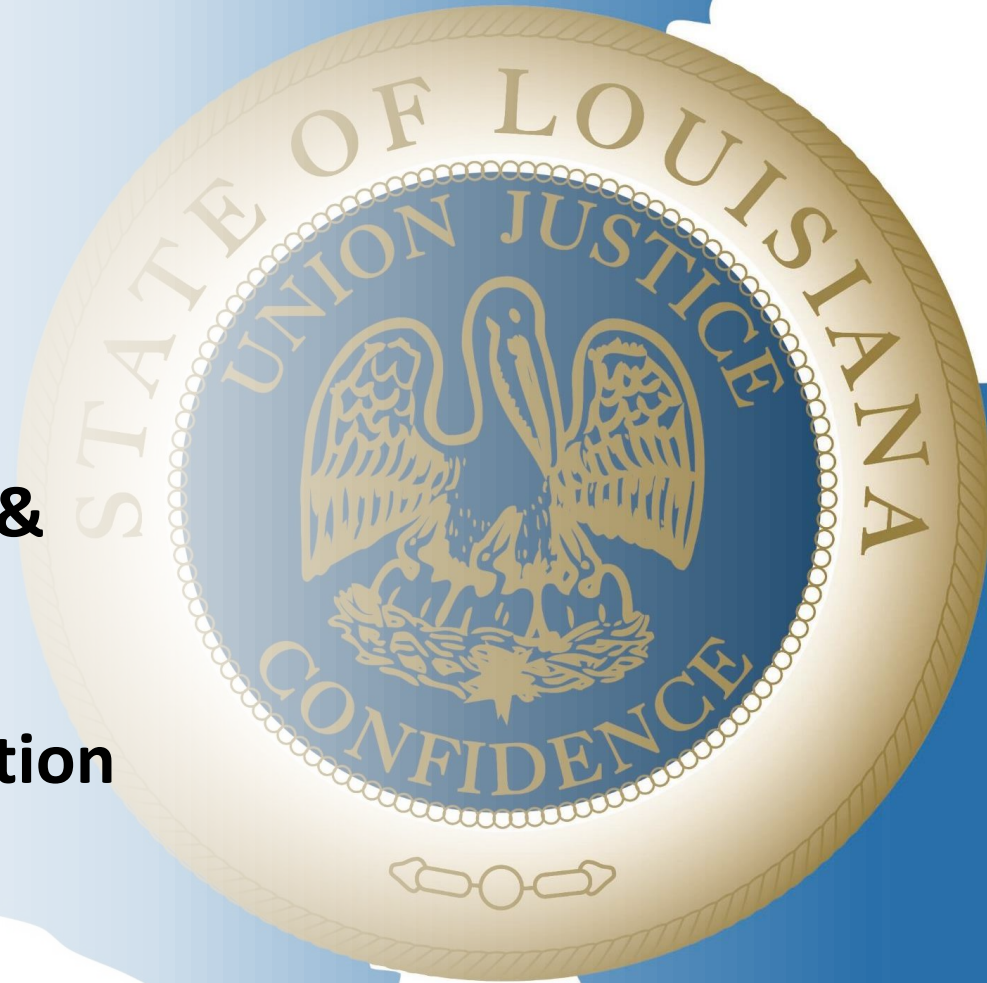
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**Respond to Legislative Auditor**

**Initiate Preliminary Engineering &  
Strategic Analysis**

**Implement Pumping & Data Collection**

**Seek Funding Alternatives**



# — Short Term Goals

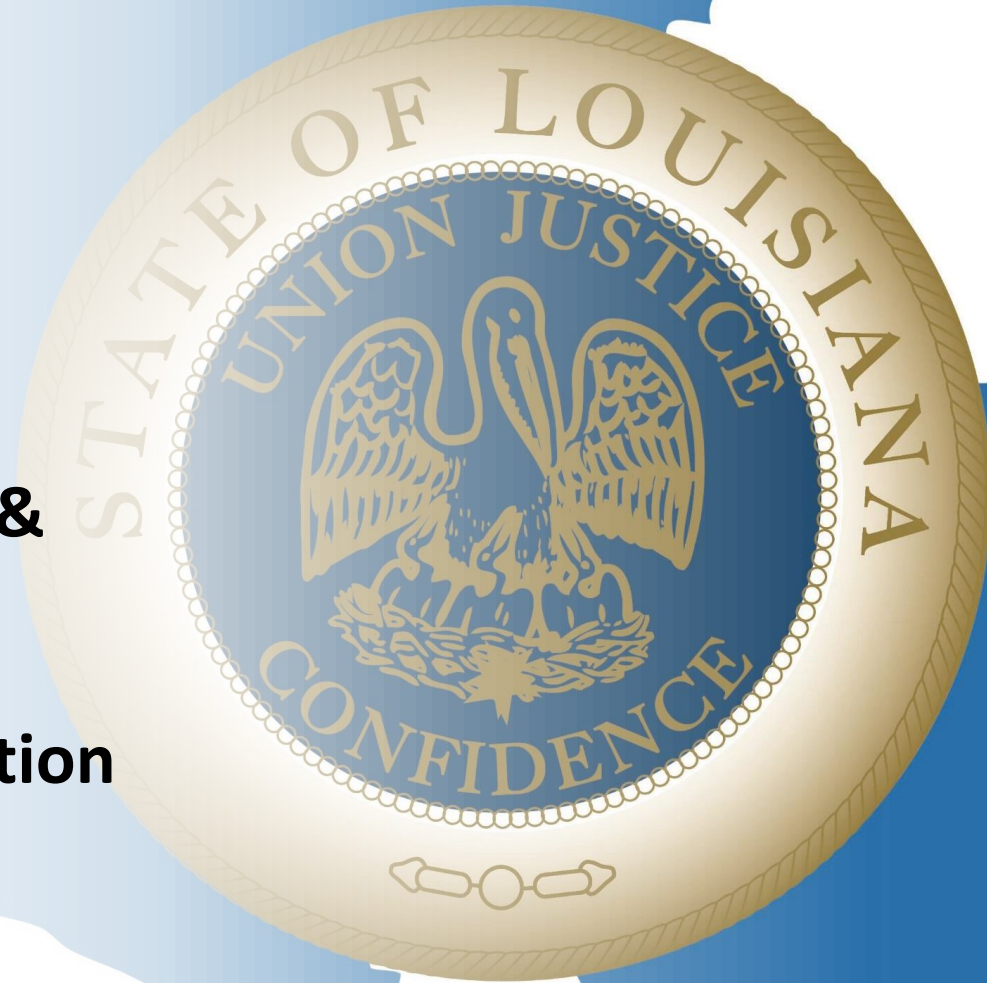
**Respond to Legislative Auditor**

**Initiate Preliminary Engineering & Strategic Analysis**

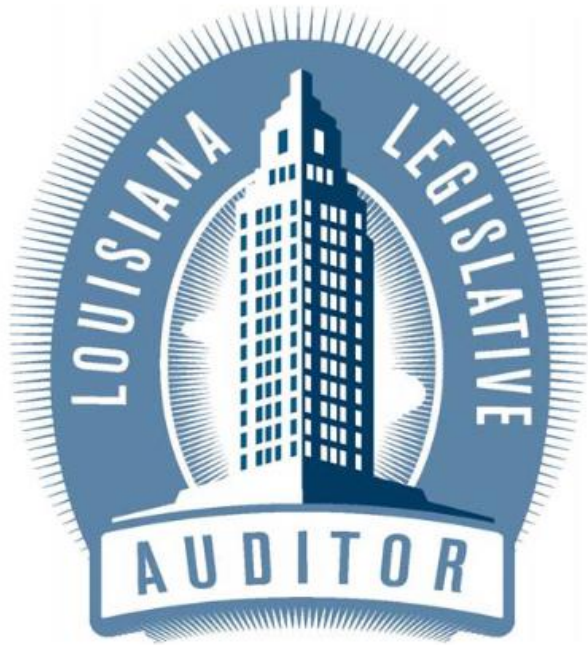
**Implement Pumping & Data Collection**

**Seek Funding Alternatives**

**Increase Public Awareness and Outreach**



# Response to Legislative Auditor



- Provide Documented Responses
- Implement Changes
- Set Benchmarks for Future Audits

# Engineering & Strategic Analysis



THE WATER INSTITUTE  
OF THE GULF®



- Extensive Groundwater Model
- Preliminary Engineering Alternatives with Strategic Plan
- Additional Constituent Testing



# Pumping & Data Collection



- Field Inspection of Well Sites
- Verification of Pumping Volumes

# Funding Alternatives



- Applied for Capital Outlay for the Next Legislative Session
- Initiated Private Funding via Cooperative Endeavor Agreements
- Requesting Corporate Donations

# — Intermediate Goals

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Complete Engineering & Strategic  
Analysis



# — Intermediate Goals

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Complete Engineering & Strategic  
Analysis

Pumping/Constituent Data Collection for  
System-Wide Metering Program



# — Intermediate Goals

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Complete Engineering & Strategic  
Analysis

Pumping/Constituent Data Collection for  
System-Wide Metering Program

Funding Alternatives & Budget  
Recommendations



# — Intermediate Goals

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Complete Engineering & Strategic  
Analysis

Pumping/Constituent Data Collection for  
System-Wide Metering Program

Funding Alternatives & Budget  
Recommendations

Legislation (if necessary)



# — Intermediate Goals

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Complete Engineering & Strategic  
Analysis

Pumping/Constituent Data Collection for  
System-Wide Metering Program

Funding Alternatives & Budget  
Recommendations

Legislation (if necessary)

Continue to Increase Public Awareness



# Engineering & Strategic Analysis



- Scavenger Wells
- Reclaimed Water Facilities
- Connector Wells
- Clarification Plants





# Legislative Actions



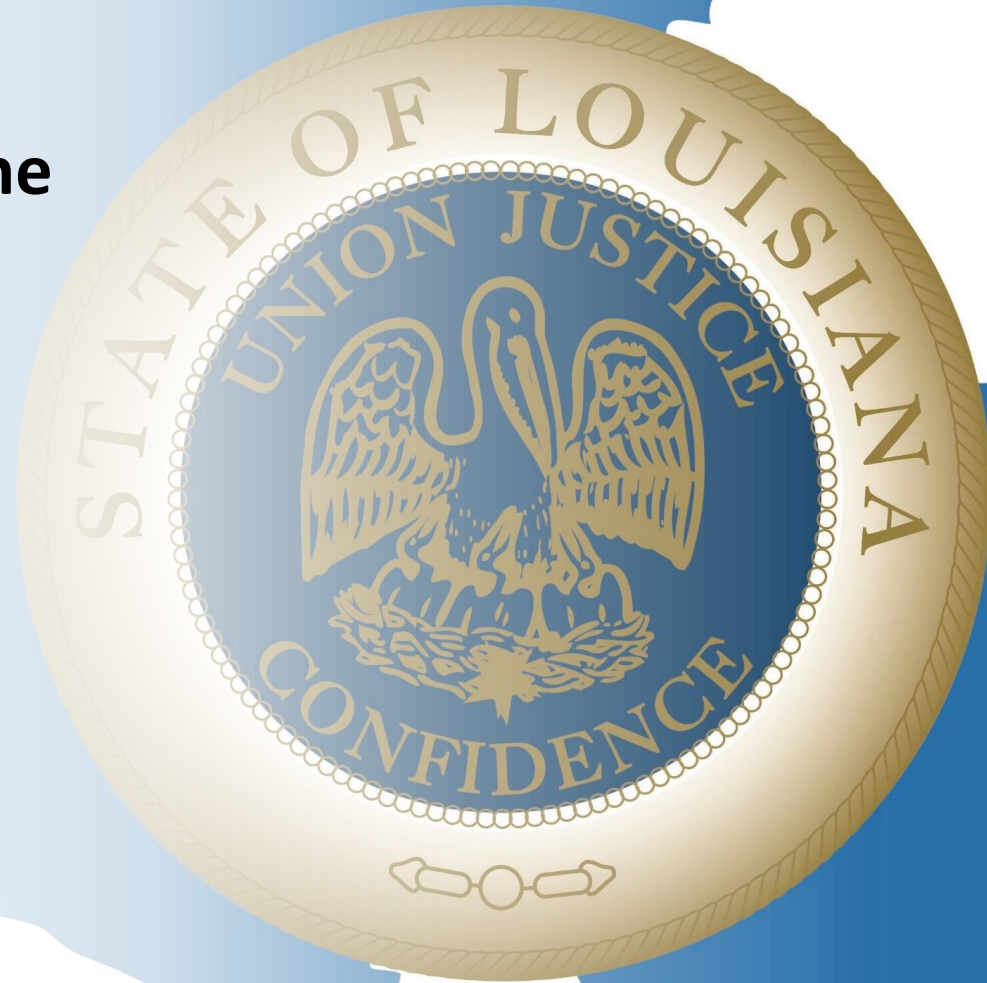
- Additional Capital Outlay
- Possible Legislation
- Seek Federal Assistance
- Modification of Rules



# — Long-Term Goals

**Sustainability & Preservation of the  
Aquifer**

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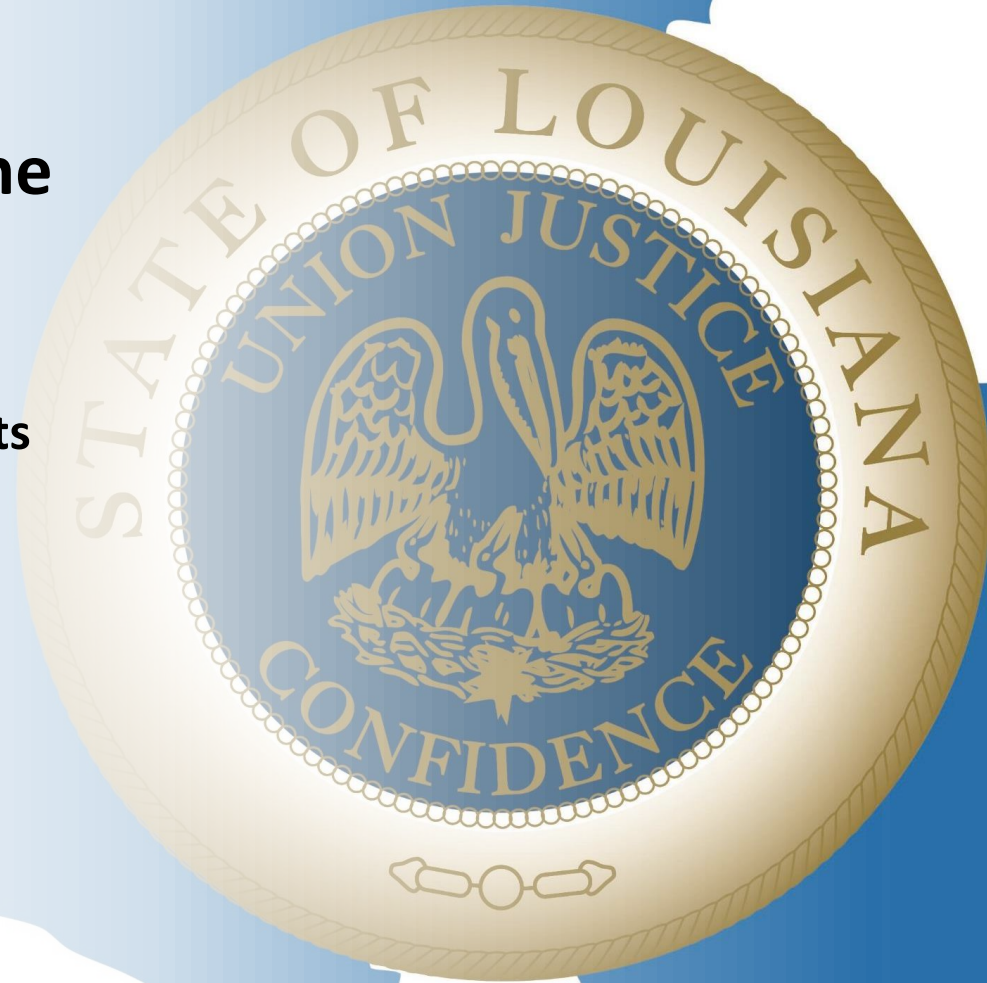


# — Long-Term Goals

## **Sustainability & Preservation of the Aquifer**

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**Continue Working with Engineers and Scientists**



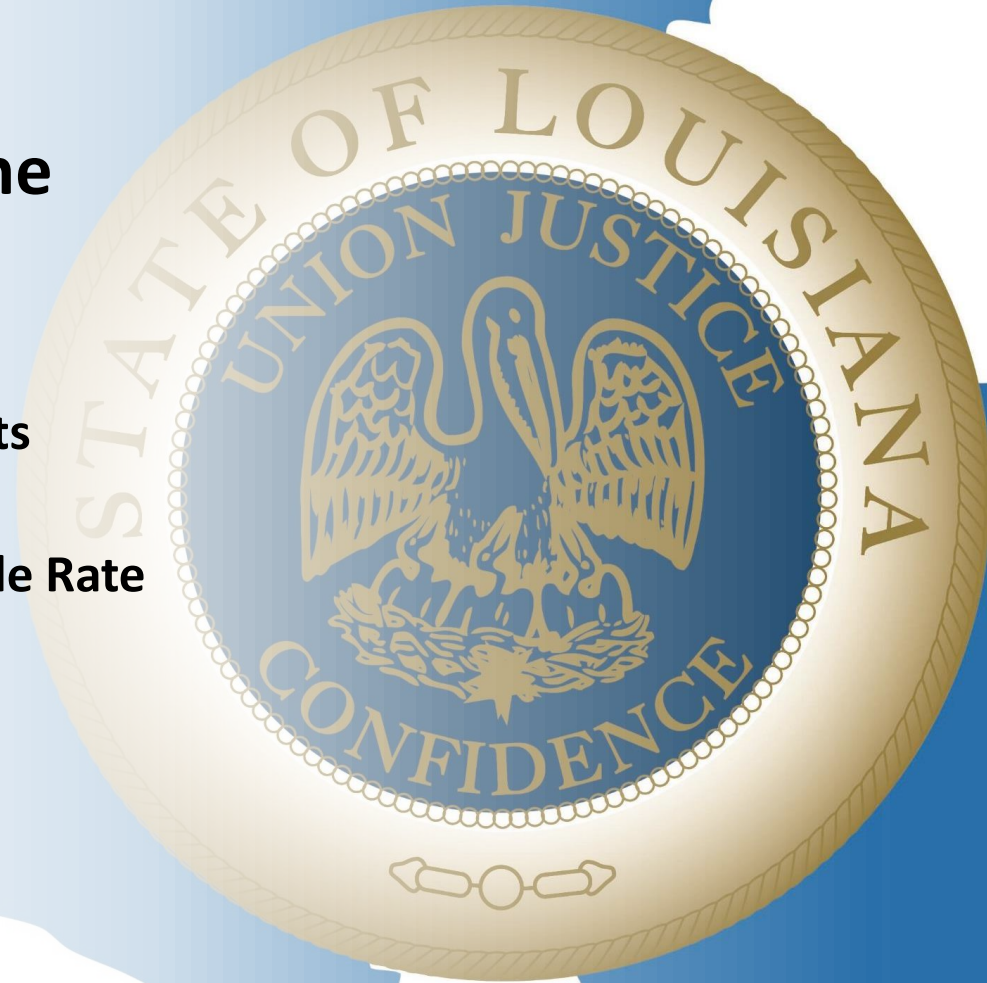
# — Long-Term Goals

## **Sustainability & Preservation of the Aquifer**

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**Continue Working with Engineers and Scientists**

**Maximize Additional Funding & Establish Reasonable Rate Structures**



# — Long-Term Goals

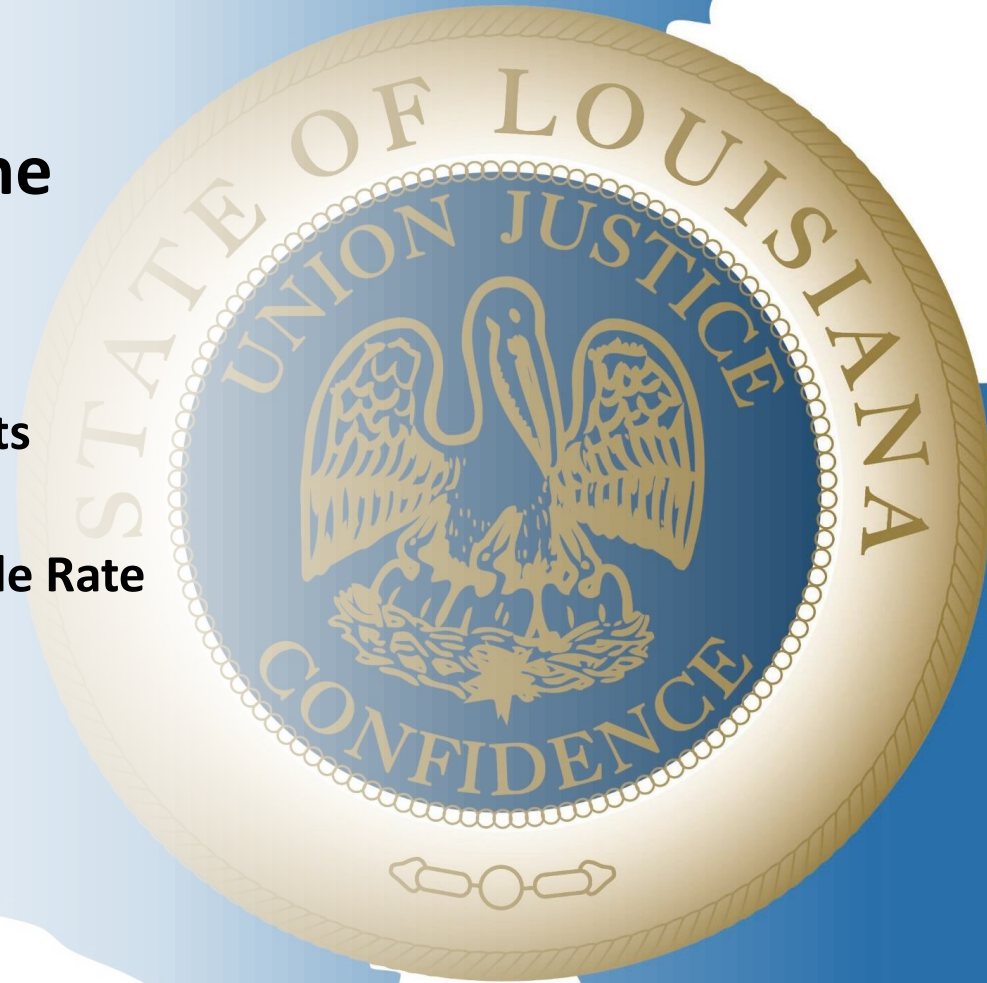
## **Sustainability & Preservation of the Aquifer**

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**Continue Working with Engineers and Scientists**

**Maximize Additional Funding & Establish Reasonable Rate Structures**

**Implementation of Automated Metering and Well-Monitoring System**



# — Long-Term Goals

## **Sustainability & Preservation of the Aquifer**

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**Continue Working with Engineers and Scientists**

**Maximize Additional Funding & Establish Reasonable Rate Structures**

**Implementation of Automated Metering and Well-Monitoring System**

**Program Management and Construction of New Infrastructure**



# — Long-Term Goals

## **Sustainability & Preservation of the Aquifer**

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**Continue Working with Engineers and Scientists**

**Maximize Additional Funding & Establish Reasonable Rate Structures**

**Implementation of Automated Metering and Well-Monitoring System**

**Program Management and Construction of New Infrastructure**

**Continued Public Awareness and Outreach**





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# Questions & Discussions

