

JUNE 15, 2021

# Louisiana's Climate Initiatives

HARRY VORHOFF, DEPUTY DIRECTOR  
LOUISIANA GOVERNOR'S OFFICE - COASTAL



# Ongoing Efforts

1. Governor's Climate Initiative
2. Supporting and complementary efforts
3. Louisiana Wind Week

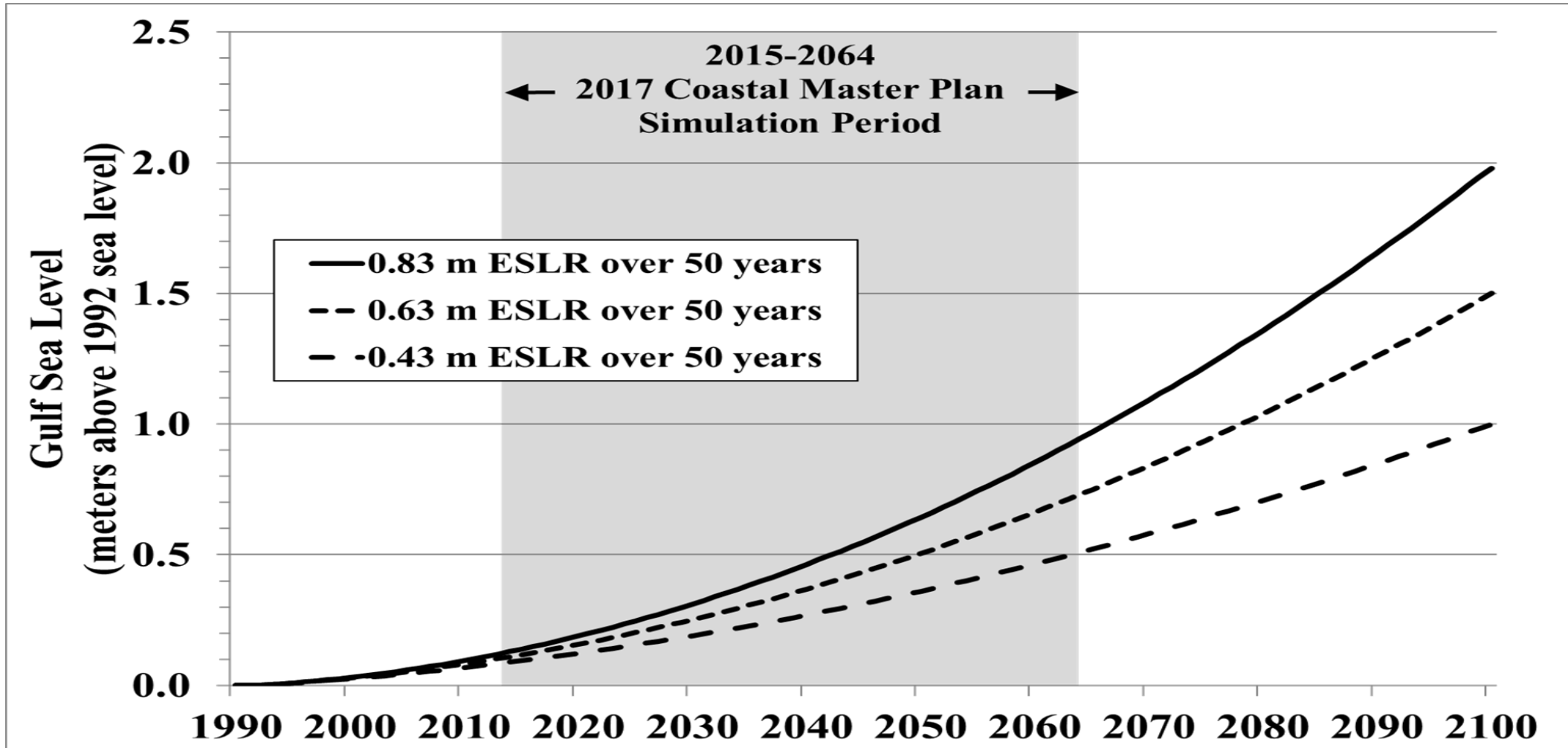
# Climate Executive Order JBE 2020-18



**“Whereas,**

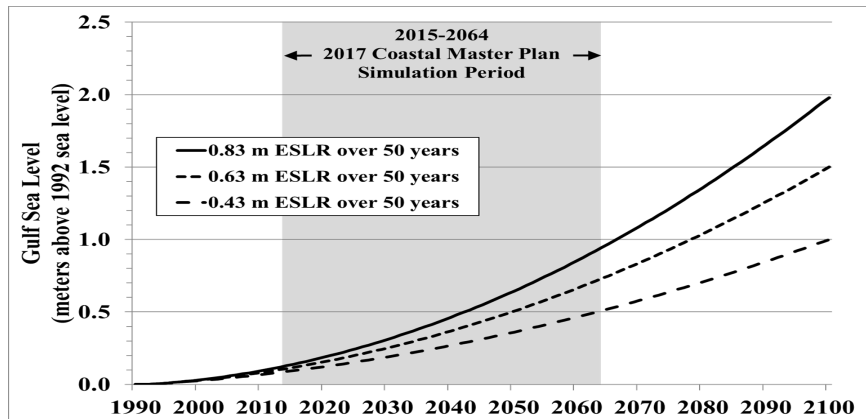
*To improve our resilience, sustain our coast, and help avoid the worst impacts of climate change, Louisiana must proactively work to reduce the greenhouse gas emissions that are driving up global temperatures, raising sea levels, and increasing risks that threaten our health and safety, quality of life, economic growth, and vital habitats and ecosystems;”*

# Projected Sea Level Rise

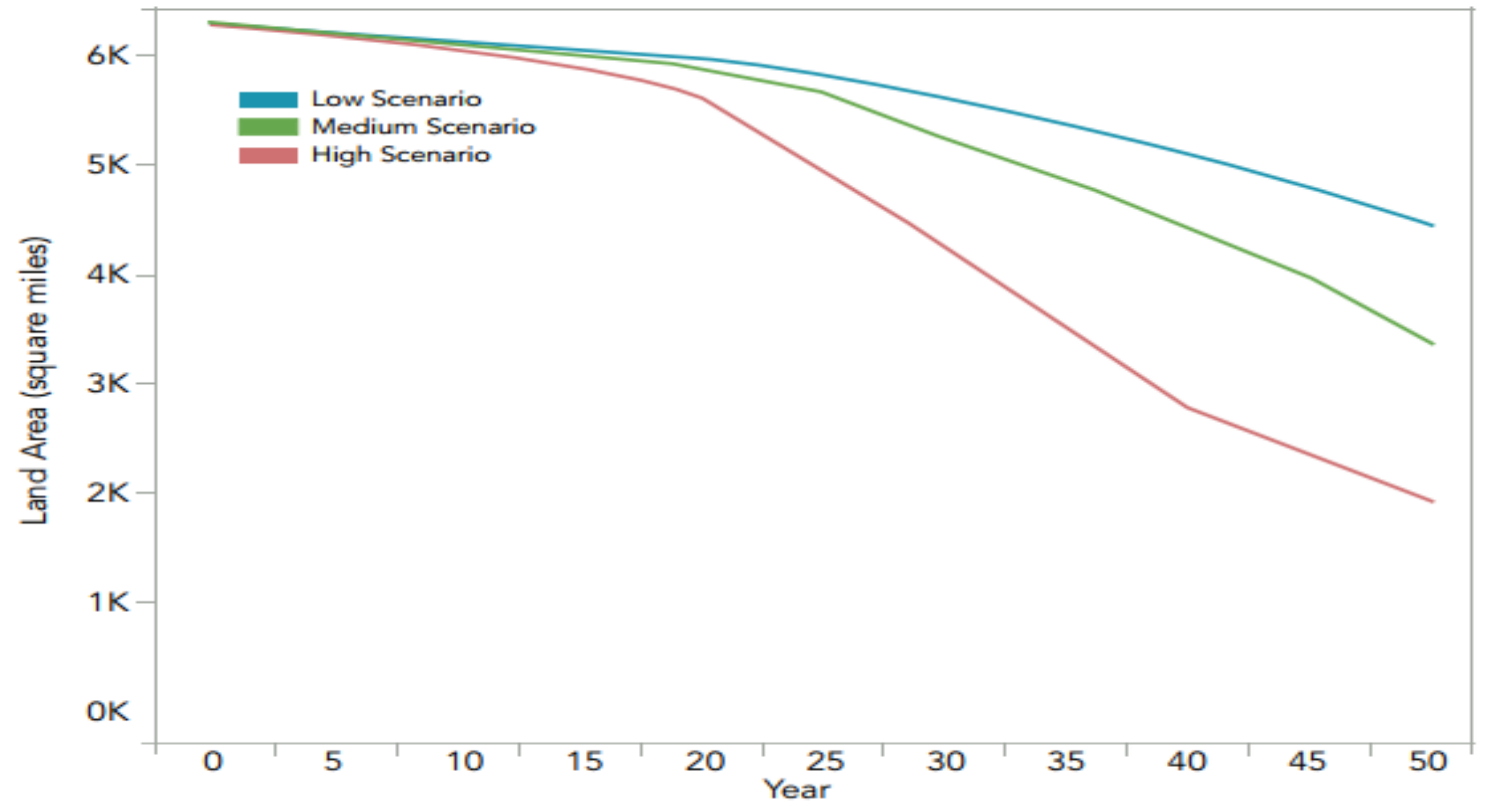




# Projected Land Loss

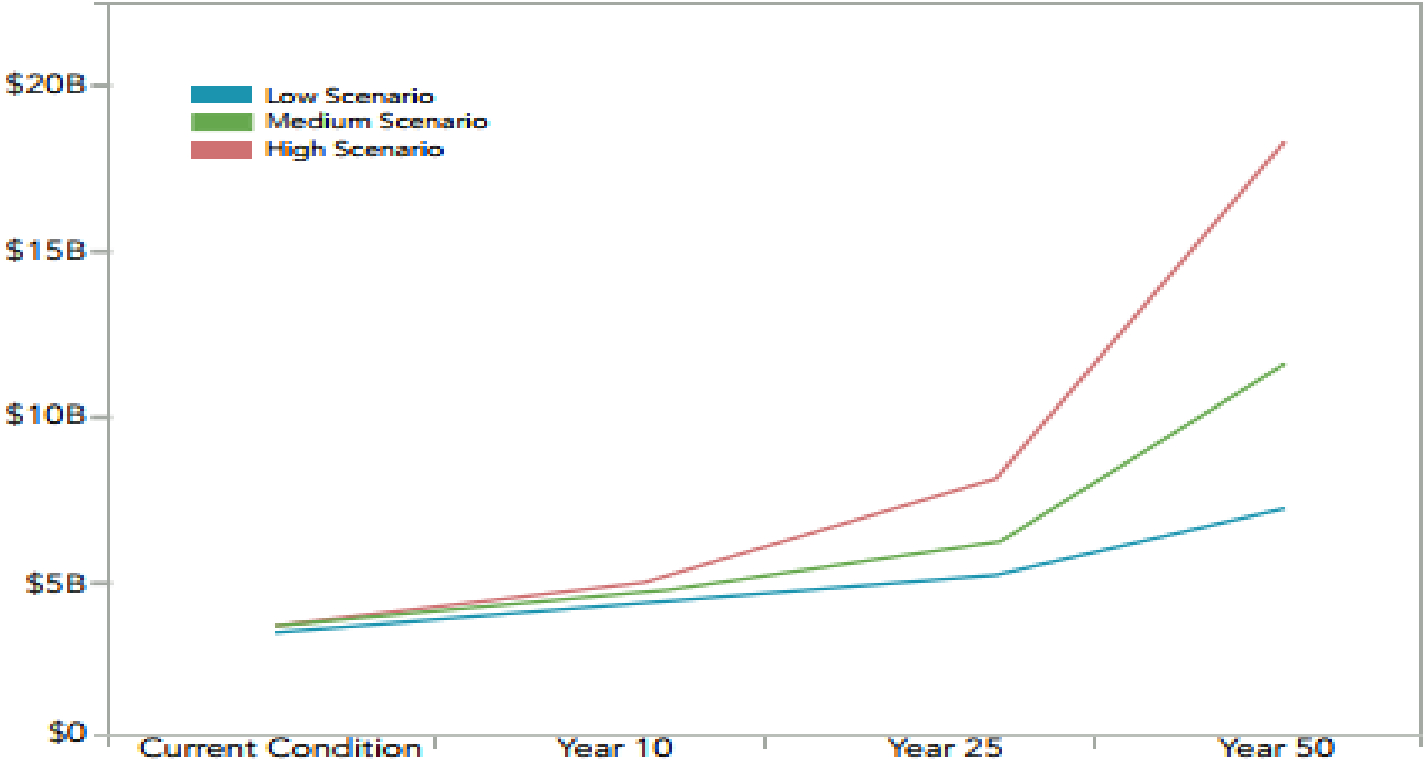
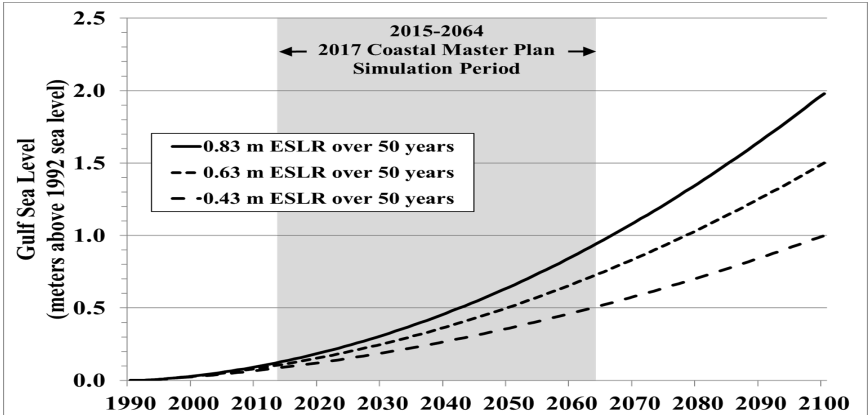


## POTENTIAL LAND LOSS OVER THE NEXT 50 YEARS



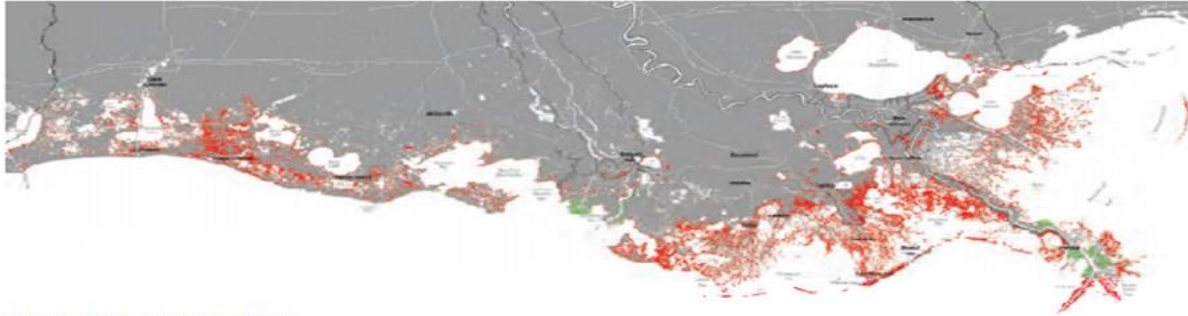
# Projected Annual Flood Damages

## EXPECTED ANNUAL DAMAGE FROM FLOODING OVER THE NEXT 50 YEARS

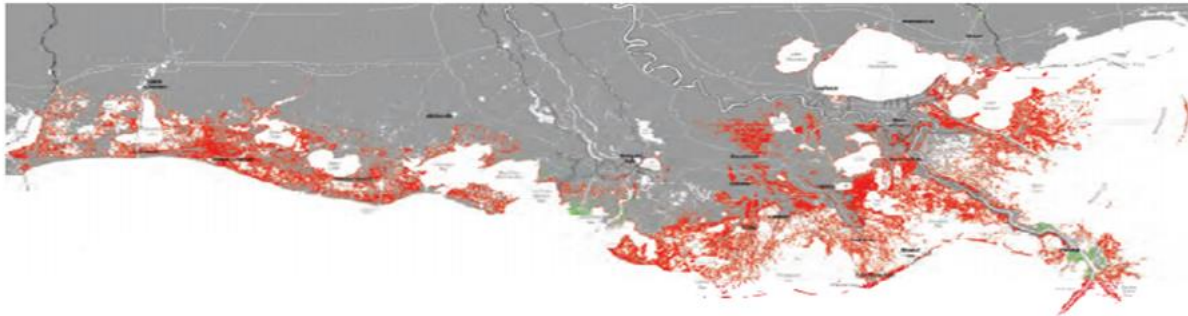


# Projected Future Conditions in 2064

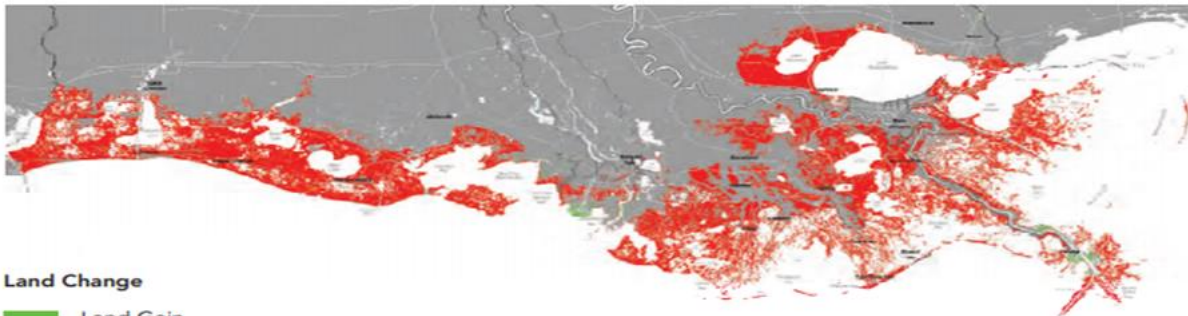
LOW SCENARIO



MEDIUM SCENARIO



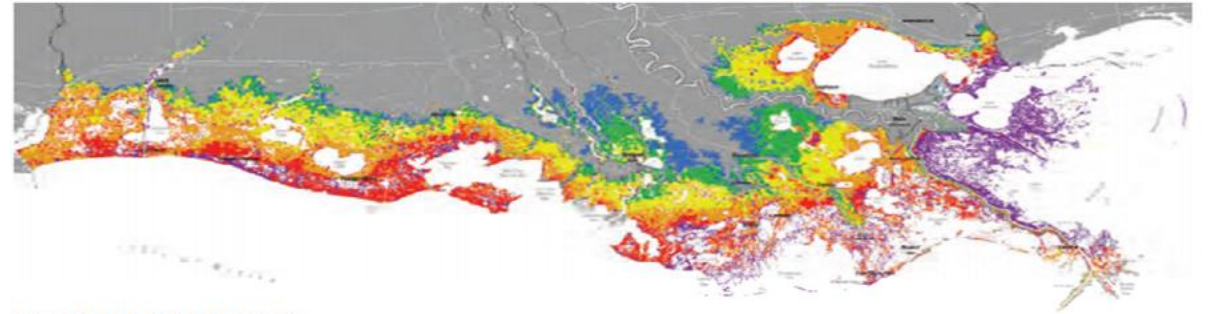
HIGH SCENARIO



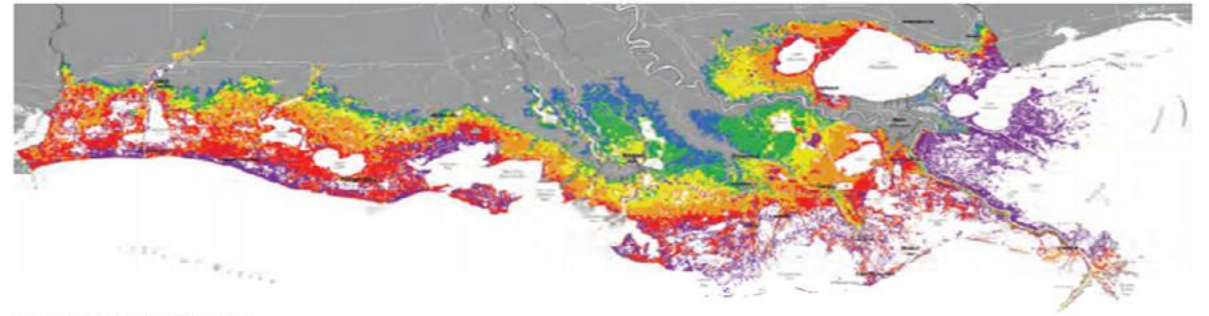
Land Change

- Land Gain
- Land Loss

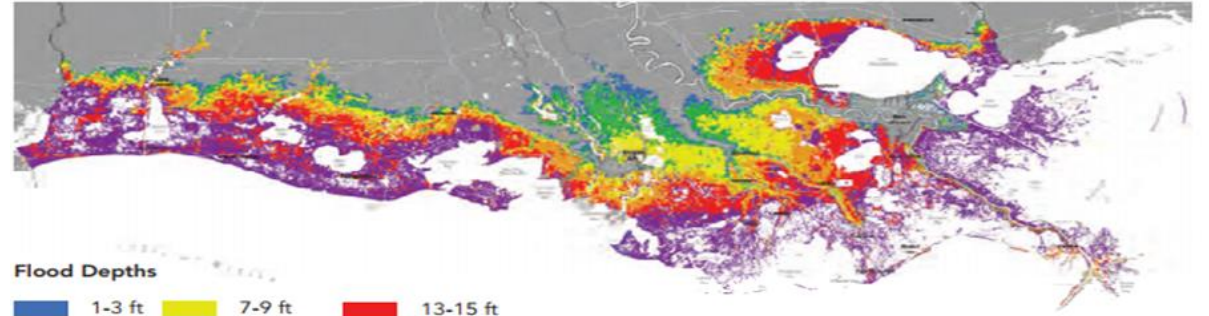
LOW SCENARIO



MEDIUM SCENARIO



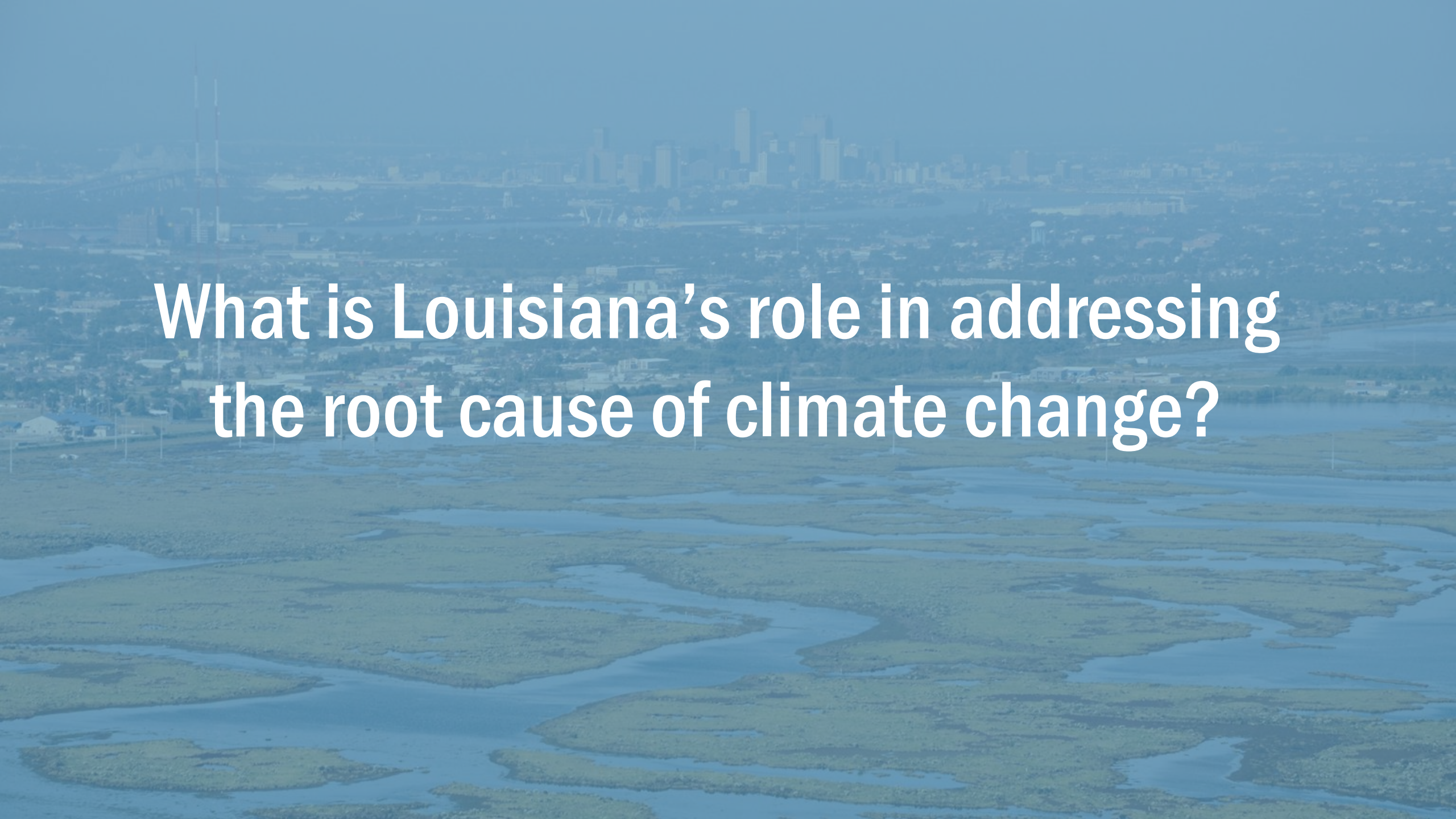
HIGH SCENARIO



Flood Depths

- 1-3 ft
- 4-6 ft
- 7-9 ft
- 10-12 ft
- 13-15 ft
- Over 15 ft



An aerial photograph showing a city skyline in the background, partially obscured by a blue overlay. In the foreground, there is a large body of water with a complex network of channels and marshes. The text is centered over the image.

**What is Louisiana's role in addressing the root cause of climate change?**



# Energy-Related CO2 Emissions by State (2016)

Rank	Absolute Emissions	Per Capita Emissions	Carbon Intensity of Economy
1	Texas	Wyoming	Wyoming
2	California	North Dakota	West Virginia
3	Florida	West Virginia	North Dakota
4	Pennsylvania	Alabama	<b>Louisiana</b>
5	<b>Louisiana</b>	<b>Louisiana</b>	Montana

Source: U.S. Energy Information Agency, <https://www.eia.gov/environment/emissions/state/analysis/>

# Climate Executive Order JBE 2020-18

By 2025

26-28%

Of 2005 levels

By 2030

26-28%

Of 2005 levels

By 2050

Net Zero



# Climate Initiatives Task Force



*“Develop policies, strategies, and incentives designed to achieve the net emissions reduction targets established in this Order, while improving the health and welfare of the people of Louisiana and advancing Louisiana’s economic and energy profile.”*



# STRUCTURE

## CLIMATE INITIATIVES TASK FORCE

Scientific

Equity

Finance

Legal

Agriculture, Forestry, Conservation and Waste

Power Production, Distribution, and Use

Land Use, Buildings, and Housing

Manufacturing and Industry

Transportation

Mining and Oil & Gas Production

# Using the Fundamental Objectives to Analyze Consequences

- Reducing net greenhouse gas emissions
- Improving quality of life for residents and communities
- Creating a more equitable society
- Managing for short- and long-term success
- Strengthening the economy and workforce
- Conserving natural resources and protecting the environment
- Adapting to a changing climate

# Planning Process

Achieving our greenhouse gas reduction targets in a way that best considers our other fundamental objectives will require both **high-level strategy** and **practical action**.

In this planning process, collectively we are working simultaneously at both scales.

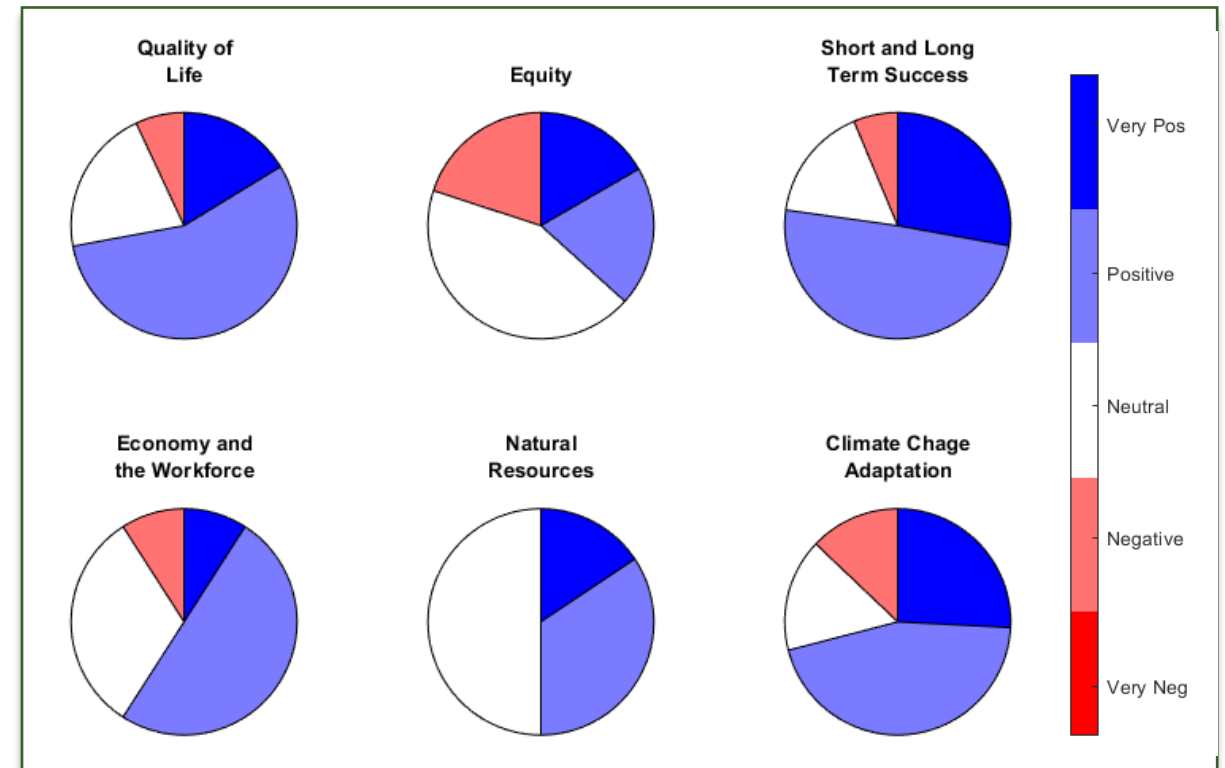
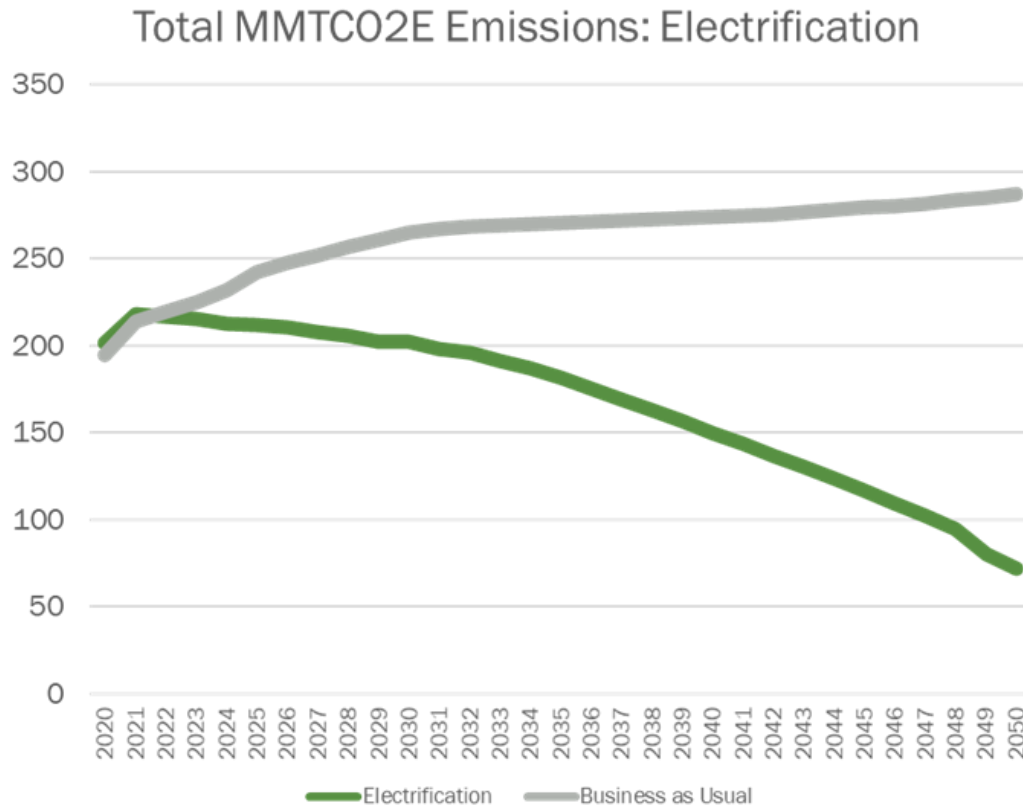


Where we  
are now



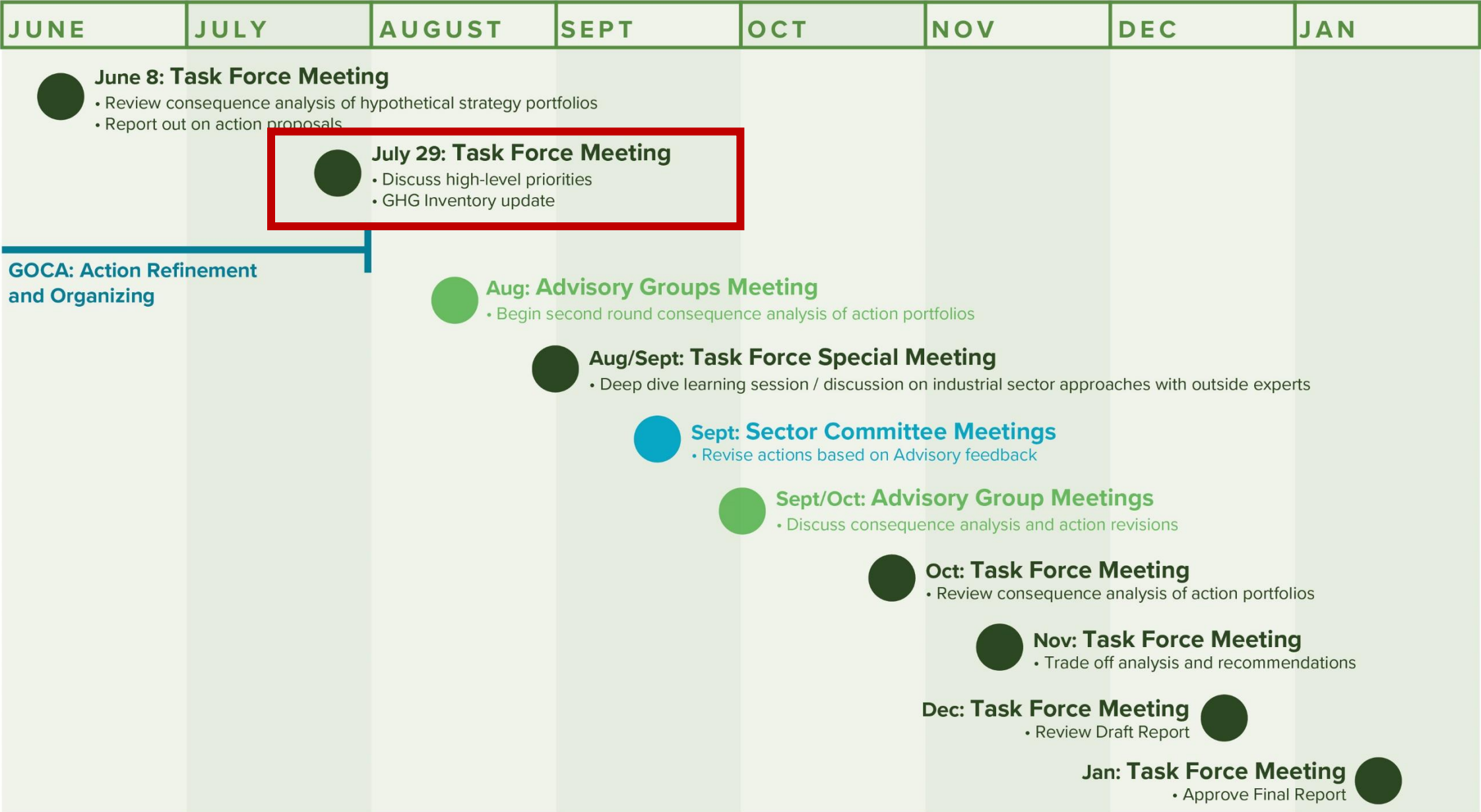
# Strategy: Electrification & Renewable Energy

Widespread opportunity for emissions reductions and positive impacts across the fundamental objectives.



Results by Fundamental Objective Category

# Meeting Timeline



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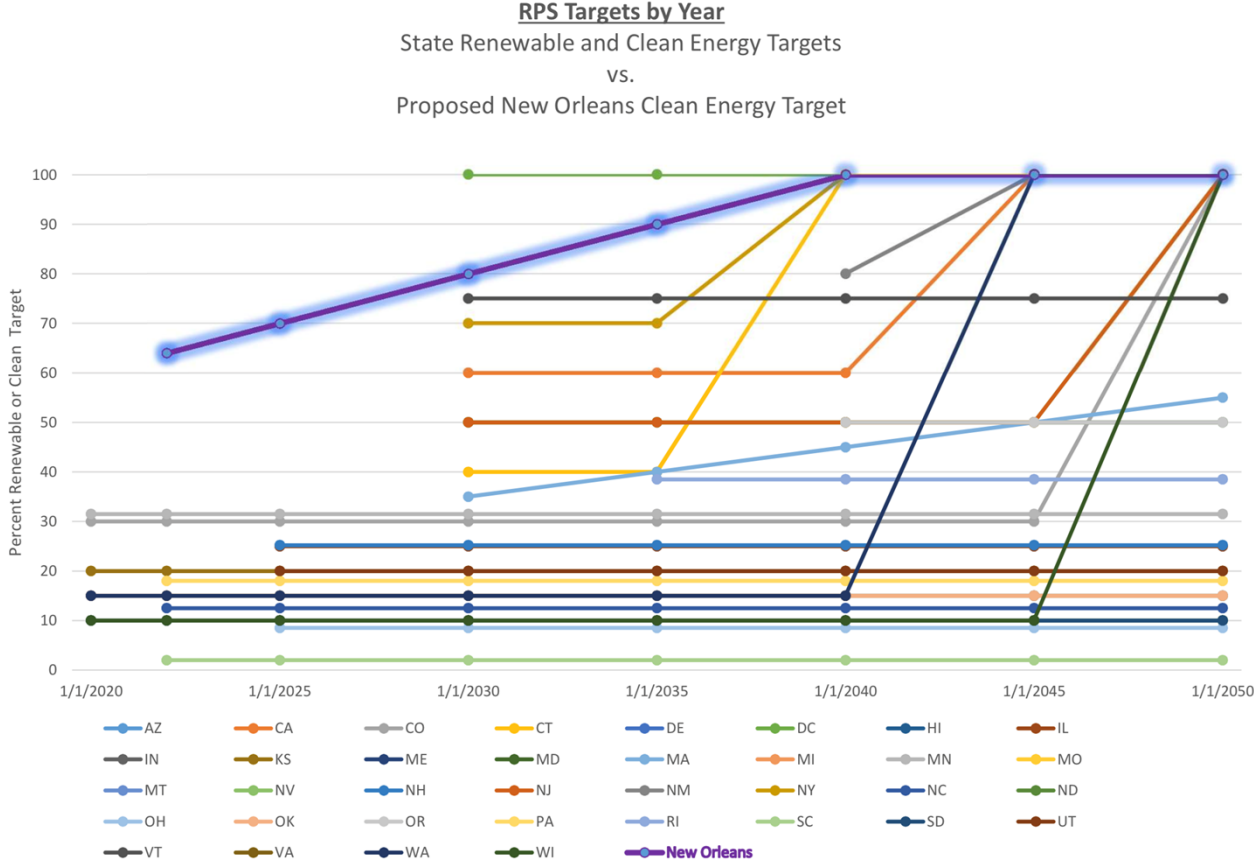


# City of New Orleans: Renewable and Clean Portfolio Standard

2040: Net-zero carbon emissions

2050: Zero carbon emissions

- Fastest path to decarbonization in the gulf south and among the fastest in the nation.
- Prioritizes the construction of local and Louisiana built resources
- Makes New Orleans one of the bigger buyers of renewable power in the gulf south



# Interagency Coordination on Offshore Wind

## COASTAL PROTECTION AND RESTORATION AUTHORITY

- Coastal Master Plan consistency and coordination
- RISEE Act
- State lease revenue



## DEPARTMENT OF NATURAL RESOURCES

- Comprehensive Energy Plan
- Wind energy leasing on state lands and waters
- Coastal Use Permitting



## LOUISIANA ECONOMIC DEVELOPMENT

- LED FastStart®
- Industrial Tax Exemption Program
- Research and Development Tax Credit
- Angel Investor Tax Credit



LOUISIANA

# WIND WEEK

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*June 21 - 25, virtual sessions from 9 to 11 a.m.*



# Louisiana Wind Week - June 21-25

Monday: Offshore Wind Leasing and Administration Priorities

Tuesday: Minimizing Potential Environmental Impacts

Wednesday: Engaging Existing Users & Understanding Their Concerns

Thursday: Connecting Offshore Wind to Users

Friday: Existing and Future Supply Chain Capacity

For more information: <https://gov.louisiana.gov/index.cfm/page/124>

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# Questions?

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