



# City of New Orleans Hazard Mitigation Planning

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**City of New Orleans**  
Hazard Mitigation Planning Presentation  
October 2, 2020

# Greetings

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## Austin Feldbaum

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City of New Orleans

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# Agenda

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- Introductions
- Project Timeline
- Mitigation Strategy Framework
- Review and Update Current Action Items
- Discussion of Potential New Actions
- Next Steps

# Project Timeline

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# Detailed Timeline

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Working Group Meetings: Climate, Water, City Agencies

Meeting 1: Week of 9/28

Meeting 2: Week of 10/19

Planning Committee Meeting: Week of 10/26

Planning Committee Meeting and Public Meeting: Week of 11/2

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# Mitigation Strategy Framework

# *draft* Identified Hazards

Natural Hazards	Man-Made Hazards
Flooding	Hazardous Materials (Includes Spills/Releases and Contamination)
Tropical Cyclones	Active Threats (Includes Terrorism, Civil Unrest, Cyber Threats, and Active Attack)
Coastal Erosion	Infrastructure Failure (Includes Levee Failure, Building Collapse, Water Systems Failure, and Power Outages)
Tornadoes	Infectious Disease Outbreak (Including Pandemic)
Subsidence	Economic Shock
Winter Weather	
Extreme Heat	
Severe Thunderstorms	

# *draft* 2020 Hazard Mitigation Goals

Each component of the Mitigation Strategy should support one or more of our community's overarching risk reduction goals.

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- I. Reduce risk and vulnerability to the human environment including cultural resources, homeowners, renters, visitors, and transient populations.
- II. Reduce risk and vulnerability to the built environment including current and future structures; critical facilities; historic structures; and infrastructure, including communications infrastructure .
- III. Reduce risk and vulnerability to the natural environment including wetland restoration and recognition of New Orleans as a coastal city.
- IV. Maximize the involvement of individuals, businesses, and groups in risk reduction measures through education/outreach on hazard mitigation appropriate to all groups, particularly vulnerable populations.
- V. To promote, implement, and sustain mitigation measures in Orleans Parish in order to reduce and manage risks to human life, the environment, and property.
- VI. To protect Orleans Parish and the surrounding region from the effects of natural and manmade hazards, ensuring community continuity in the event of such hazards.



# Foundational Principles 2015

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- Consider the principles of equity in risk reduction decisions, including land use, zoning, and the allotment of funds and resources
- Plan for future conditions, including development and climate change
- Plan for minimizing damage and maximizing disaster recovery
- Treat risk reduction and hazard mitigation as part of an integrated system, with an emphasis on safety.

# Mitigation Strategy Data Structure

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- **Each Action Item Needs Certain Information:**
  - 2020 Goals
  - Type of Strategy
  - Emergency Support Function
  - Capability
  - Lead and Supporting Agencies
  - Funding Strategy
  - Project Description

# Types of Mitigation Strategies

*For each Hazard, try to think of 1 action from each Type*

Type of Strategy		Examples
Prevention	Administrative or regulatory actions or process that influence the way land and buildings are developed	Planning and Zoning Building Codes Drainage System Maintenance
Property Protection	Modifications of existing buildings or infrastructure	Structural Retrofits Elevation, Relocation, Open Space
Education and Awareness	Inform about potential risks and ways to mitigate them	Outreach Projects Real Estate Disclosures Maps and Data
Natural Resource Protection	Preserve or restore functions of natural systems	Coastal Restoration Vegetation Management
Emergency Services	Actions during a disaster to minimize its impact	Warning Evacuation Health and Safety
Structural Projects	Infrastructure to reduce hazard impacts	Drainage Improvements Levees

# Emergency Support Functions

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Emergency Support Functions (ESFs) is the grouping of governmental and certain private sector capabilities into an organizational structure to provide support, resources, program implementation, and services that are most likely needed to save lives, protect property and the environment, restore essential services and critical infrastructure, and help victims and communities return to normal following domestic incidents

ESF-1 - Transportation  
ESF-2 – Communications  
ESF-3 – Public Works  
ESF-4 – Firefighting  
ESF-5 – Emergency Management  
ESF-6 – Mass Care  
ESF-7 – Logistics/Resource Support  
ESF-8 – Public Health/Medical  
ESF-9 – Search and Rescue

ESF-10 – Oil/HAZMAT Response  
ESF-11 – Ag/Natural Resources  
ESF-12 – Energy  
ESF-13 – Public Safety & Security  
ESF-14 – Long-Term Recovery  
ESF-15 – External Affairs  
ESF-16 – Law Enforcement  
ESF-17 – Animal Protection  
ESF-18 – Business Continuity  
ESF-19 – Military Support  
ESF-20 - DSCA

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# 2015 Strategy Updates

# Goal 1: Reduce Risk to the Human Environment

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## 1.01 NWS Storm-Ready Certification

A. Status: Complete, NOHSEP maintaining certification

## 1.12 Set up Cooling Shelters during extreme heat events

A. Status: Ongoing, reevaluating strategy

## 1.07 Mitigate Contamination from Illegal Dump Sites

- Status: Ongoing

# Goal 2: Reduce Risk to the Built Environment

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2.03 Improve Drainage Infrastructure in High Risk Areas

2.12 Harden/Retrofit Public Facilities against Wind and Flooding

2.16 Adopt Freeboard and other higher regulatory standards

2.22 Install a system of sensors that are automated

# Goal 3: Reduce risk to the Natural Environment

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- I. Golden Triangle Marsh Creation Project
- II. Orleans Landbridge
  - RESTORE/GOMESA
  - Advocacy for NRDA funding
- III. Workforce Development via Conservation Corps Partnership Program



# Goal 4: Maximize Involvement of Whole Community in Risk Reduction through Education and Outreach

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4.04 Public Education about Stormwater Management

4.10 Promote use of pervious concrete

- City contracted projects
- Develop set of “green” specs

4.06 Promote the use of building methods which are hazard resistant and built above the code

- City-contracted projects
- Explore incentive models

# Goal 5: Promote, implement and sustain mitigation measures in order to reduce and manage risks to human life, the environment, and property

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## 5.01 Provide training in floodplain management for local officials

- Set new metrics, timelines, ID affected positions

## 5.03 Maintain a comprehensive GIS database

- Including Properties, hazard areas, service districts, facilities, vulnerable populations

## 5.06 Engage with regional HM planning efforts

- e.g. LA SAFE, LA Watershed Initiative, LFMA
- Engage through HM and ORS with CPRA's Flood Risk and Resilience Program

## 5.20 Incorporate climate change impacts into all planning

# Goal 6: Ensure Community Continuity in the events of Natural and Manmade Hazards

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## 6.01 Integrate Data Across City Departments

- New financial management system
- DPW records digitization project

## 6.03 Install Emergency Generators at all shelters and critical facilities

- Generator projects, Nursing Home ordinance

## 6.08 Improve Asset Management to assist with documentation of damages

- Developed Survey123 apps for regular inspection and post-event surveys

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# Plan Integration

# Actions and Strategies from Related Plans/Programs

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- City Master Plan, Climate Action Plan, Urban Water Plan
- SWBNO HM Plan
- Louisiana Coastal Master Plan, Watershed Initiative
- Other Best Practices

# How to Provide Input

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- I. Visit [ready.nola.gov/hazard-mitigation/home/](http://ready.nola.gov/hazard-mitigation/home/)
- II. Review and Comment on 2015 Actions, and Propose New Actions
- III. Email [hazardmitigation@nola.gov](mailto:hazardmitigation@nola.gov)
- IV. Provide as much detail as you can

# Next Steps

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- Anyone can submit ideas to [hazardmitigation@nola.gov](mailto:hazardmitigation@nola.gov)
- Website up for user feedback @ ready.nola.gov
- Planning team will review and workshop
- Present draft list of actions at next meeting
- Draft Plan public comment period



# THANK YOU

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