# Jaime Ramiro Diaz

Waggonner & Ball Architects

# 2013 Smart Growth Summit H20 Overview: How to Learn from the New Orleans Urban Waters Partnership

# Katrina



# Katrina



# **1953 Flood**



# **Post Katrina Planning Timeline**









Kingdom of the Netherlands



#### **American Planning Association**

Making Great Communities Happen

# **Dutch Dialogues**













NM Wateroner & Ball Architecte

# **Planning Approach**



# **PUMP & DRAIN**





# **Combining Good Ideas**







# **Dutch Dialogues**



# Greater New Orleans Urban Water Plan

# Vision

Waggonner & Ball Architects

September 2013

# **Team & Partners**

**Manning Architects Dana Brown Landscape Architects FutureProof CDM Smith Nelson Engineers Dewberry** GCR **Eustis Engineering Sherwood Design Engineers Tulane University** LSU Coastal Sustainability Studio **Bright Moments** 

Arcadis Deltares Royal Haskoning City of Rotterdam City of Amsterdam H+N+S Landscape Architects Bosch Slabbers Landscape Architects Robbert de Koning Landscape Architect Palmbout Urban Landscapes

# Waggonner & Ball Architects







# Living in a Basin

Adaptation will be second nature, as the region, the place which President Jefferson referred to as the "Island of New Orleans," becomes a true delta city.

Metro Basin

Orleans East Basin

St. Bernard Basin

# **Problems**

# 1. Flooding

- 2. Subsidence
- 3. Water Assets Wasted



#### **URBAN WATER FLOWS**

# System Overwhelmed



# **Problems:** 10 Year Storm Modeled Flooding



# **Problems**

1. Flooding

# 2. Subsidence

3. Water Assets Wasted



# **Effects of Pumping**





# **Problems**



# **Problems**

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- 2. Subsidence
- 3. Water Assets Wasted





# **Opportunities**

# 1. Improved Safety

- 2. Economic Vitality
- 3. Enhanced Quality of Life



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### **Stormwater Proposals**

# **Living Water System**



# System Modeling: Proposed Water System



# **Smart Retrofits**



# **2** Act 2018-2025 35% of water objectives

**3** Achieve 2025-2040 95% of water objectives

THE THE

# **Regional Costs vs. Benefits Over Fifty Years**



# **Regional Plan**



## **Orleans Basin**



- 1. Lafitte Blueway
- 2. Orleans Avenue Canal
- 3. Bayou St. John
- 4. London Avenue Canal

5. Filmore (Gentilly)

6. Claiborne Corridor

7. Desire Parklands

8. Inner Harbor Navigation Canal 9. Uptown Streets

10. Palmetto Canal

11. Hollygrove & the Monticello Canal

12. Lakeview

# Uptown to Bucktown: Redirect Upslope Drainage



### **Streets**





# Uptown to Bucktown: Interceptor Streets



# Uptown to Bucktown: Interceptor Streets



# Lafitte Blueway: Historic Water Identity





# Lafitte Blueway: Basin Street



# **Circulating System**



# Lafitte Blueway: Bayou Cascade



# Lafitte Blueway: Drainage Impact



### Lafitte Blueway



### Lafitte Blueway



# **Lafitte Blueway**













living with water.com