



CITY OF FORT LAUDERDALE



**“PROTECTING PARADISE – COASTAL RESILIENCY”  
PUBLIC KICK-OFF WORKSHOP**

**ADAPTATION ACTION AREA PLANNING  
The Fort Lauderdale Journey**

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**SEPTEMBER 23, 2014**

# The Fort Lauderdale Journey

- ② Timeline
- ② Integrating
- ② Connecting the Dots
- ② Grant Timeline
- ② Outreach
- ② Draft Language
- ② Next Steps



# A snapshot of our City's story

2011

Florida State  
Community  
Planning Act

Start of new  
City  
administration

AAA grant  
awarded to  
City

Began Citywide  
Re-organization

2012

2012 Regional  
Climate Action  
Plan Adopted

Creation of  
Sustainability Office  
housed in Public  
Works

Began  
Neighborhood  
Surveys

Began Visioning  
Initiative Phase II

2013

Vision Plan and  
Strategic Plan  
Adopted

AAA Interlocal  
Agreement signed &  
executed

Began AAA  
Outreach

Outreach to City  
of Fort  
Lauderdale Civic  
Associations

2014

AAA Climate  
Adaptation Open  
House outreach

We Are Ready  
Climate Resiliency  
Booth outreach

AAA Reviews and  
Approvals

Proposed  
Comprehensive Plan  
AAA Goal Objective  
and Policies



# WE ARE READY

CONNECTING THE DOTS

*We are a resilient and safe coastal community*



## VISION AND STRATEGIC PLAN: CONNECTING THE DOTS



Direct Vision Ideas in the Strategic Plan in Progress



66%

2011

2012

2013

2014

# City Strategic Plan



## INFRASTRUCTURE

GOAL 2: *Be a sustainable and resilient community.*

G2

### 02 OBJECTIVE 2: Reduce flooding and adapt to sea level rise

STRATEGIC INITIATIVES:	LEAD:	PARTNERS:
1. <b>» Incorporate sea level rise and resiliency projections into the Stormwater Management Plan and the Flood Hazard Mitigation Program</b>	PWD	FLFR, BC, Compact, Seven50, SFWMD
2. Implement the Stormwater Management Plan and examine funding rate structures based on vulnerability	PWD	BC, Compact
3. Implement the Flood Hazard Mitigation Program for residents	PWD	CMO-BDGT, DSD, FLFR, BC, FDEM, FEMA
4. Utilize a multi-agency advisory group to evaluate and implement solutions to address flooding concerns	PWD	BC, Consultant
5. Identify potential Adaptation Action Areas (AAA) and develop AAA policies	PWD	DSD, FLFR, T&M, PNZ, CA, DEO, DEP, NOAA, SFRPC
6. Examine and update the Save Our Swales program to include bio-swale options	PWD	Neighbors

» Indicates an idea from the Vision Plan. For more information on strategic initiative partners, see [Cylinders of Excellence Community Partners](#).

Adaptation Action Areas are a Strategic Initiative in Press Play

# Neighbor Outreach

- Oct 2013 Council of Fort Lauderdale Civic Associations
- Jan 2014 Climate Adaptation Open House
- Apr 2014 Sustainability Advisory Board
- June 2014 Hurricane Expo Climate Resiliency booth



## Review and Approval Process



# Adaptation Action Areas | Outreach



Broward County Sustainability Stewards  
Broward American Planning Associations Workshop • June 2013



City of Fort Lauderdale Civic Associations • October 2013

In 2013, we started community outreach & dialogue with our Neighbors.



# WE ARE READY

*We are a resilient and safe coastal community*

## CLIMATE ADAPTATION OPEN HOUSE

WE ARE READY  
*We are a resilient and safe coastal community.*



**Tuesday, January 21, 2014**

Open House, Registration, View Maps | 5:30 - 6:00 p.m.  
Public Meeting, Q&A | 6:00 p.m. - 7:30 p.m.

City Hall, 1st floor Commission Chambers  
100 North Andrews Avenue | Fort Lauderdale, FL 33301

As a City surrounded by water, we are vulnerable to the effects of climate change. We value your input as we work to address climate change and make our community more resilient. Learn about Adaptation Action Areas and join a conversation about strengthening our City.

For neighbors unable to attend the meeting in person, there will be many ways to participate:  
Watch on TV: Comcast Channel 78 or AT&T U-Verse Channel 99  
Watch online: [www.fortlauderdale.gov/78/](http://www.fortlauderdale.gov/78/)

Tweet your questions and comments using #fladapt  
Submit questions for panelists via Twitter @FLCityGov

For more information, contact the Public Works Sustainability Division at (954) 828-6190.



If you would like this publication in an alternate format or if you need reasonable accommodation to participate in this event, please call (954) 828-4735 or email [access@cityofftlauderdale.com](mailto:access@cityofftlauderdale.com).

## CITY OF FORT LAUDERDALE MUNICIPAL SCALE INUNDATION MAP ONE FOOT SEA LEVEL RISE

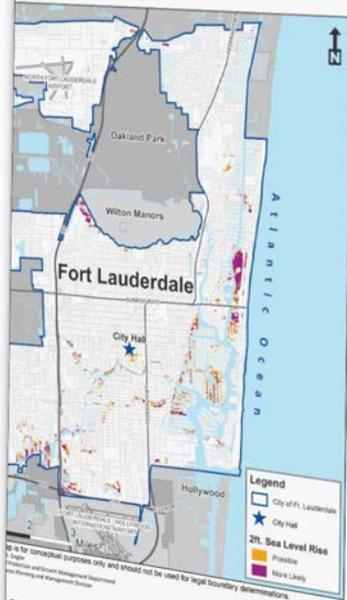


WE ARE READY  
*We are a resilient and safe coastal community.*



## CITY OF FORT LAUDERDALE PRIORITY PLANNING AREAS FOR PARCEL

## CITY OF FORT LAUDERDALE MUNICIPAL SCALE INUNDATION MAP TWO FOOT SEA LEVEL RISE



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## CITY OF FORT LAUDERDALE PRIORITY PLANNING AREAS FOR SEA LEVEL RISE



Fort Lauderdale Municipal Outline  
Priority Planning Areas (PPAs) created as soon as 2060.  
Boundary determinations.  
Date: 1/15/2014  
DEP Agreement No. C0208 (DPPA 08-2008-11)



Broward County assisted with maps, on display at outreach events.



# WE ARE READY

CLIMATE ADAPTATION  
OPEN HOUSE

*We are a resilient and safe coastal community*

January 21, 2014



BROADCASTED LIVE ON FLTV

STREAMED ONLINE

INCORPORATED SOCIAL  
MEDIA: TWITTER & FACEBOOK



Dialogue with Neighbors at the Climate Adaptation Open House.



# WE ARE READY

## Review and Approval Process

We are a resilient and safe coastal community



**Accommodation:** Strategies that do not act as a barrier, but rather alter the design through measures such as elevation infrastructure system to strategies aim to reduce p Planning For Rising Sea Le

**Managed Retreat:** Strategie possible relocation to oth (Adaptation Action Areas: Florida Regional Planning

**Avoidance:** Strategies tha coastal hazards associated over time. (Adaptation At South Florida Regional Pla

**Policy 3.1.10:** Align and be consistent with, to t adaptation strategy documents s Regional Climate Action Plan and plans, disaster mitigation plans, v change plans.

**Policy 3.1.11:** Participate in, when appropriate, agencies' proposed application r

**Policy 3.1.12:** Collaborate and coordinate with; extent possible, toward the impl

**Policy 3.1.13:** Based on evolving rising seas dat preserve future strategic adaptat response to new risks and vulner technological opportunities.

**Policy 3.1.14:** Continue to foster effective colla and local partners to identify risk the impacts from sea level rise.

### ADMINISTRATION AND IMPLEM

**Add/Amend Comp Plan Adminis**  
**Priority Planning Areas f** illustrates vulnerable are or exacerbated by, sea le map in partnership with i Oceanographic and Atm

**Protection:** Strategies thi impacts of rising seas in c infrastructure to remain i renourishment. Protectic location-dependent and i areas of historical signific Options for Adaptive Plan 2013)

**Policy 3.1.4:** AAAs' adaptation strategy options may inclu  
a. Protection  
b. Accommodation  
c. Managed retreat  
d. Avoidance  
e. Other options

**Policy 3.1.5.:** Considerations for AAAs designation may inc  
a. Areas which experience tidal flooding  
b. Areas which have an hydrological co  
c. Locations which are within areas de  
d. Other areas impacted by stormwate

**Policy 3.1.6:** As a basis for the designation of AAAs, the Ci the Unified Sea Level Rise Projection for Sou for Sea Level Rise Map, in order to identify a formulate timely and effective adaptation st

**Policy 3.1.7.:** As deemed to be in the best interest of the C designation by means of, but not limited to,  
a. Community Investment Program (Ca  
b. City Commission Resolution or Ordir  
c. Comprehensive Plan via location des  
d. Other mechanisms as appropriate

**Policy 3.1.8.:** Potential funding sources for the implement are not limited to:  
a. Federal and State grants and technic  
b. Local Stormwater Utility Fees and Cc  
c. Public/Private Partnerships  
d. Other sources

**Policy 3.1.9:** Integrate AAAs into existing and future City i include, but not be limited to:  
a. Community Investment Program  
b. Local Mitigation Strategy  
c. Strategic Plan  
d. Sustainability Action Plan  
e. Stormwater Master Plan  
f. Comprehensive Emergency Manag  
g. Unified Land Development Regulatic  
h. Other related processes, plans and c



## CITY OF FORT LAUDERDALE COMPREHENSIVE PLAN PROPOSED GOAL, OBJECTIVE AND POLICIES TEXT ADAPTATION ACTION AREAS

### COASTAL MANAGEMENT ELEMENT

**GOAL 3:** Increase the City's resiliency to the impacts of climate change and rising sea levels by developing and implementing adaptation strategies and measures in order to protect human life, natural systems and resources and adapt public infrastructure, services, and public and private property.

**OBJECTIVE 3.1:** Develop and implement adaptation strategies for areas vulnerable to coastal flooding, tidal events, storm surge, flash floods, stormwater runoff, salt water intrusion and other impacts related to climate change or exacerbated by sea level rise, with the intent to increase the community's comprehensive adaptability and resiliency capacities.

**Evaluation Measure:** Collaborating with regional partners, City shall identify public investments, infrastructure and assets at risk from rising sea levels by 2018. Thereafter, this assessment will be performed every five (5) years.

**Policy 3.1.1:** Identify public investments and infrastructure at risk to sea level rise and other climate related impacts. Assess the vulnerability to public facilities and services, including but not limited to water and wastewater facilities, stormwater systems, roads, bridges, governmental buildings, hospitals, transit infrastructure and other assets.

**Policy 3.1.2:** Adaptation strategies may include, but not be limited to:  
a. Public infrastructure planning, siting, construction, replacement, operation and maintenance  
b. Emergency management  
c. Stormwater management  
d. Land development regulations  
e. Building codes  
f. Comprehensive planning  
g. Other strategies

**Policy 3.1.3:** Adaptation strategy options may include the designation of Adaptation Action Areas (AAAs). As per Section 163.3164(1), Florida Statutes, an AAA is an optional designation within the coastal management element of a local government's comprehensive plan which identifies one or more areas that experience coastal flooding due to extreme high tides and storm surge, and that are vulnerable to the related impacts of rising sea levels for the purpose of prioritizing funding for infrastructure and adaptation planning.



We are first to write Adaptation Action Areas into our Comprehensive Plan.

# AAA Policies

## City of Fort Lauderdale Comprehensive Plan Proposed AAA Goal, Objective and Policies

**Policy 3.1.1 – Identify** public investments and infrastructure

**Policy 3.1.2 –** Adaptation Strategies

**Policy 3.1.3 –** Adaptation Action Areas (AAA)

**Policy 3.1.4 –** AAA adaptation strategy options

**Policy 3.1.5 – Considerations** for AAA designation

**Policy 3.1.6 – Basis** for the designation of AAAs

**Policy 3.1.7 –** City Commission **mechanisms** for designating AAAs

**Policy 3.1.8 – Funding** Sources

# AAA Policies

## City of Fort Lauderdale Comprehensive Plan Proposed AAA Goal, Objective and Policies

- Policy 3.1.9** – **Integration** of AAAs into existing city processes and plans
- Policy 3.1.10** – **Alignment** with national, state, and regional adaptation strategy documents
- Policy 3.1.11** – Participate in other appropriate agencies' proposed application requests for funding adaptation implementation projects
- Policy 3.1.12** – Collaborate and coordinate
- Policy 3.1.13** – Allow for **flexible** adjustments
- Policy 3.1.14** – Foster effective collaborations and coordination to identify risks, vulnerabilities and opportunities associated with coastal hazards and sea level rise

# Next Steps

- ② Final City Commission approval – Oct-Nov
- ② Stay tuned for
  - ② AAA Designation
  - ② Prioritized Funding



# Conclusion

- 📍 Talk and listen to ALL audiences
- 📍 Build staff capacity
- 📍 Integrate early and often
- 📍 Leverage different projects with common goals



Thank you.

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