

# Resilience and Sustainability Advisory Committee Meeting

November 7, 2024

# Agenda

1. Welcome, Moment of Silence Mayor William Cogswell, Chairperson
2. Resilience Updates:
  - Comprehensive Water Plan Rollout
  - Basin Flood Action Program
  - USACE Project Update / Battery Extension
  - King/Huger Stormwater Project Update
  - New Basin Flood Action Committee
3. Pollinator Garden Guide Katie McKain, Director of Sustainability
4. Pumpkin Composting Options Katie McKain, Director of Sustainability
5. New Business
6. Public Comment Period\*

# Welcome and Moment of Silence

By: Mayor William Cogswell, Chairperson

# Resilience Updates

By: Mayor William Cogswell

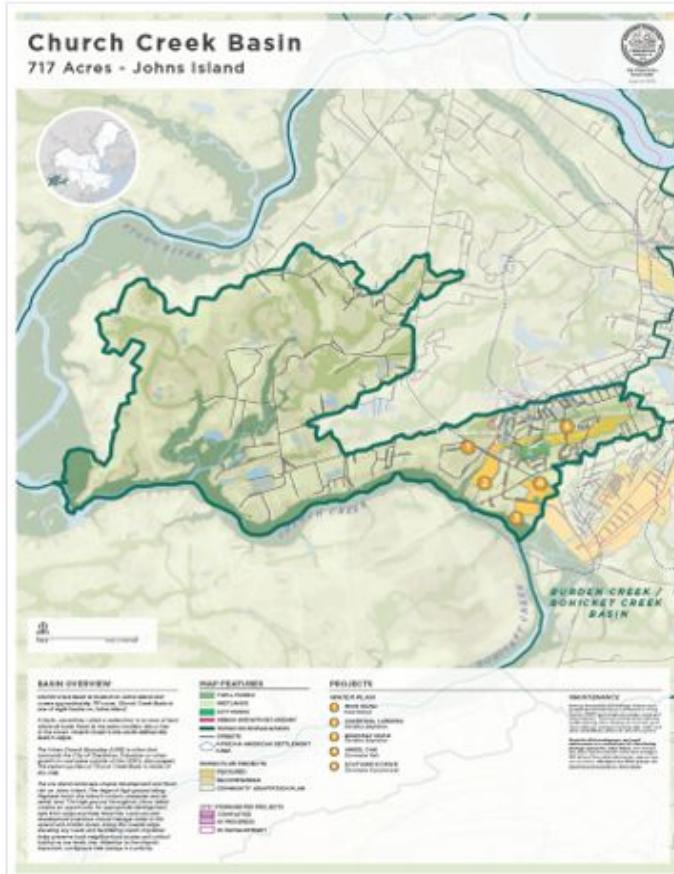
# THE WATER PLAN

Looking ahead to 2050 and beyond, the Water Plan seeks to:

- Manage flood risks from tides, sea level rise, stormwater, storm surge & groundwater
- Guide safe, resilient growth
- Protect, conserve, and restore ecologically sensitive areas
- Accentuate the City's sense of place and historic character around water



# BASIN FLOOD ACTION PROGRAM (BFAP): Planning by Basins

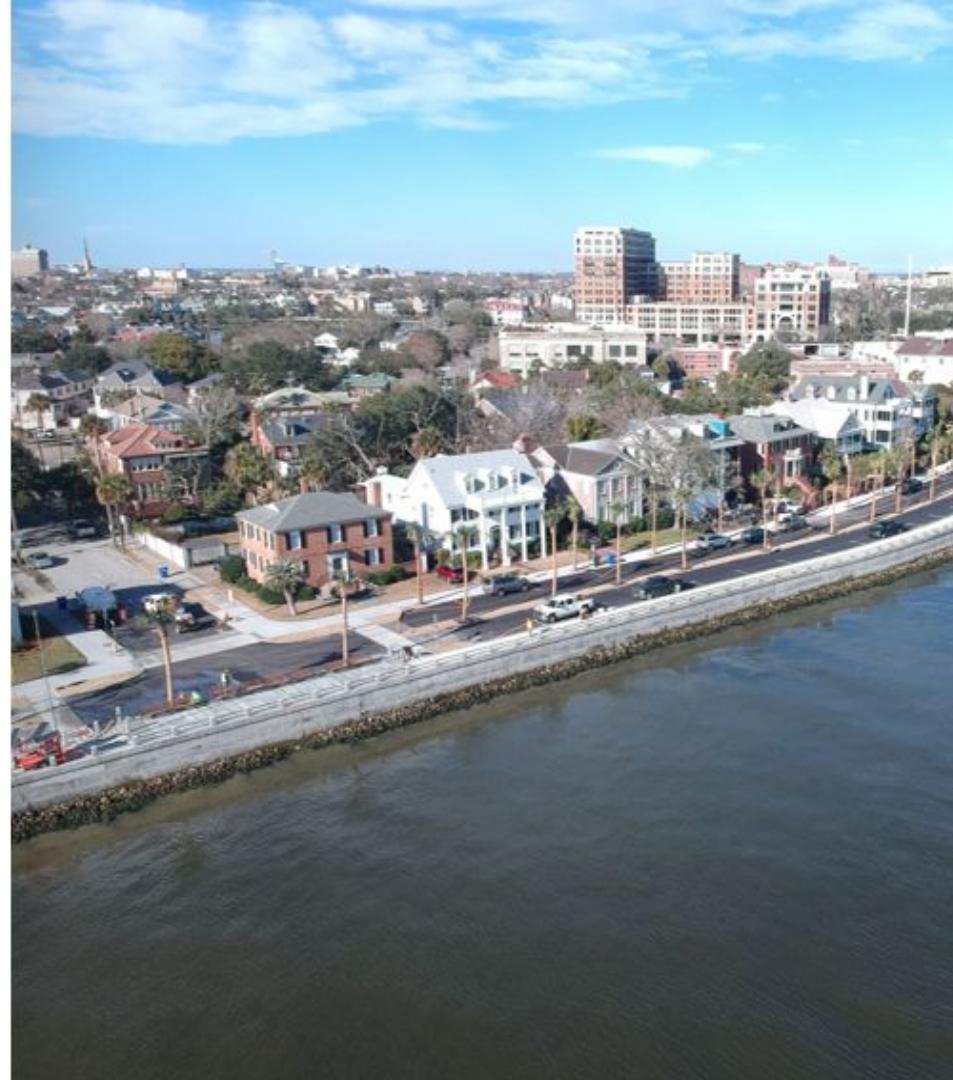


- 16 Detailed Basin Maps for each area of the City derived from the Water Plan- highlighting current and planned stormwater & flood mitigation projects
- BFAP focus is on immediate steps to tackle flooding and planned actions
- PDF exists today with goal of interactive GIS map in the near future



# Battery Extension

- MOU signed with the Army Corps to allow city to lead on alignment revisions and initial design of structure
- 6-month timeline for preliminary engineering & design work
- Coordination with design of tidal knee wall on Lockwood
- Structure will be an extension of the Battery as a public amenity to improve bicycle, pedestrian, & water access on the perimeter of the Peninsula, while protecting against storm surge and tidal events
- Integration with Ashley River Crossing for increased connectivity



# KING AND HUGER STREET PUMP STATION: Groundbreaking

Final Phase



Increase flow by 70,000 gallons of water/minute



# Basin Flood Action Committee: Apply Now!

Create a Website Account - Manage notification subscriptions, save form progress and more.

Website Sign In

CHARLESTON SC

NEWS GOVERNMENT DEPARTMENTS BUSINESS ONLINE SERVICES VISITORS PROJECTS HOW DO I...

Human Affairs and Racial  
Conciliation Commission

[Government](#) - Boards, Commissions, and Committees

## Boards, Commissions, and Committees

Boards

Members

Search for a board, subcommittee, or member 

Filter boards

### Boards, Commissions, and Committees

Accommodations Tax Advisory Committee

Board of Architectural Review-Large

Board of Architectural Review - Small

Board of Zoning Appeals - Site Design

Board of Zoning Appeals - Zoning

Building Codes Board of Appeals

#### Charleston Basin Flood Action Committee

Charleston Citizen Police Advisory Council

Commissioners of The Colonial Common and  
Ashley River Embankment

### Charleston Basin Flood Action Committee

Apply

Board Details

Member Roster

#### Description

Purpose. Charleston Basin Flood Action Committee shall have the following roles and responsibilities:

- a. Review the City's Basin Flood Action Program (BFAP) in coordination with the Charleston Integrated Water Plan (CIWP) and the City's ongoing studies and projects with the U.S. Army Corps of Engineers, make recommendations related to the projects and plans, and advise the mayor, city council, committee members, and staff on the findings of the committee, and
- b. Focus on the protection of life, property, and the natural environment in the City of Charleston in the face of rising sea levels and more severe

# Sustainability Updates

By: Katie McKain, Director of Sustainability

# Pollinator Garden or Neglected Yard?



Can we find  
a balance?



# Pollinator Garden Guide

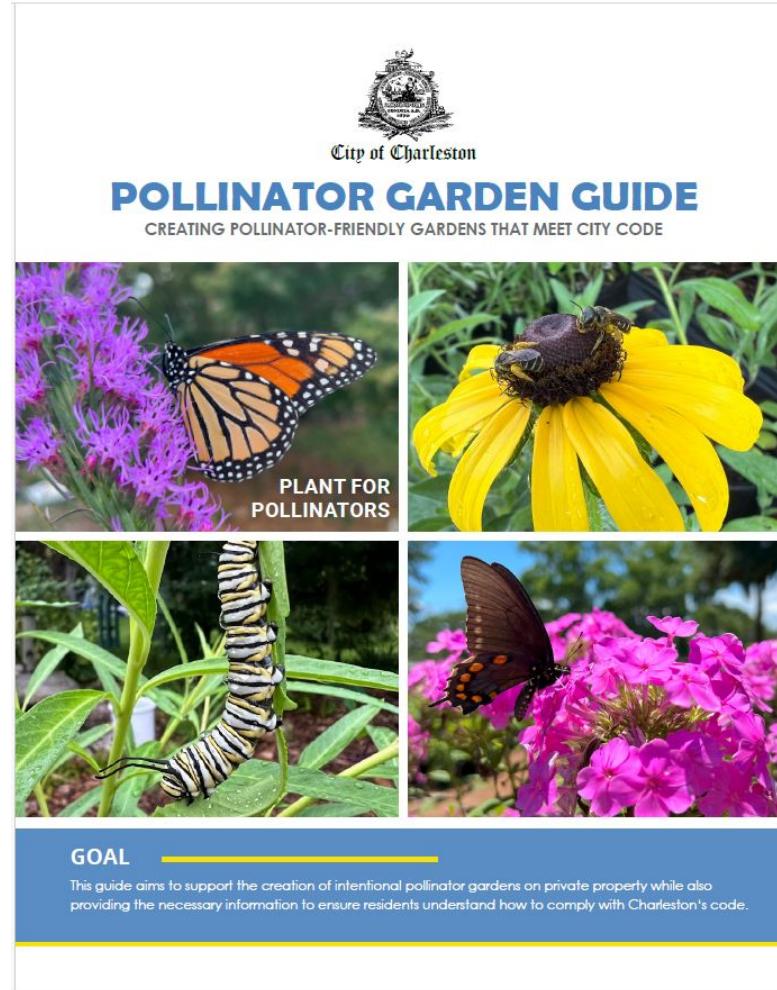
## Goal:

Support the creation of intentional pollinator gardens

+

Providing residents guidance on how to comply with Charleston's code.

<https://www.charleston-sc.gov/DocumentCenter/View/37554/Pollinator-Garden-Guide>



The image shows the cover of the 'POLLINATOR GARDEN GUIDE' from the City of Charleston. The cover features the city's seal at the top, followed by the text 'City of Charleston' and 'POLLINATOR GARDEN GUIDE' in large, bold, blue letters. Below that, it says 'CREATING POLLINATOR-FRIENDLY GARDENS THAT MEET CITY CODE'. The cover is divided into four quadrants, each containing a photograph of a pollinator: a monarch butterfly on purple flowers, two bees on a yellow flower, a monarch caterpillar on a green leaf, and a swallowtail butterfly on pink flowers.

**GOAL**

This guide aims to support the creation of intentional pollinator gardens on private property while also providing the necessary information to ensure residents understand how to comply with Charleston's code.



FOOD TRUCKS - LIVE MUSIC - FUN!

RESPONSIBLY DISPOSE OF YOUR PUMPKINS AT FAMILY-FRIENDLY

# PUMPKIN SMASH EVENTS!

JOIN A FUN, THERAPEUTIC CELEBRATION!

## Daniel Island

Saturday, Nov. 9  
12pm - 3pm  
New Realm Brewing

## Downtown

Thursday, Nov. 14  
6pm - 8pm  
Palmetto Brewing

## West Ashley Thanksgiving Market

Sunday, Nov. 24  
12pm - 4pm  
Ackerman Park



[charleston-sc.gov/compost](http://charleston-sc.gov/compost)



2024



# PUMPKIN COMPOSTING

## JOIN A FUN 'PUMPKIN SMASH' EVENT

- New Realm Brewing, Daniel Island: **Nov. 9**
- Palmetto Brewing, Downtown: **Nov. 14**
- West Ashley Farmers Market: **Nov. 24**

## PUMPKIN DROP-OFF SITES

- New Realm Brewing, Daniel Island: **Nov. 1-10**
- Bees Ferry Compost Facility: **Nov. 1-Dec. 14**

## 20 FOOD SCRAP DROP SITES **All Year**

Sign up for free residential composting and drop off pumpkins anytime. They must fit inside carts.

For details, visit:  
**charleston-sc.gov/compost**



[https://www.charleston-sc.gov/2846/  
Pumpkin-Composting](https://www.charleston-sc.gov/2846/Pumpkin-Composting)

# EV Charging Station Data: Oct 1-31

from OCT 1 to OCT 31:

- *Total Revenue: \$1,133.77*
- *Total Charging Sessions: 268*
- *Total Session Duration: 1.237 hours 3min*
- *Total Estimated CO<sub>2</sub> Emission Reduction: 3711.749 kgCO<sub>2</sub>e*
- *5.22% Charging Code (City Vehicles)*



# EV Charging Station Data: Oct 1-31

Sites	# of stations	total sessions	total duration
Gaillard	8	70	526 h 23 m
QSG	4	67	243 h 53 m
CTC	12	29	114 h 27 m
VRTC	4	102	352 h 18 m



# H-FRAME SIGN RECYCLING

Unwanted metal H-frames can be repurposed for public hearing announcements.

Help keep them out of the landfill and save taxpayer dollars!

DROP OFF BIN AT:

PERMIT CENTER  
2 GEORGE STREET  
WEEKDAYS, 9 AM-5 PM



City of Charleston

# Any New Business?

Committee Members

# Public Comment Period