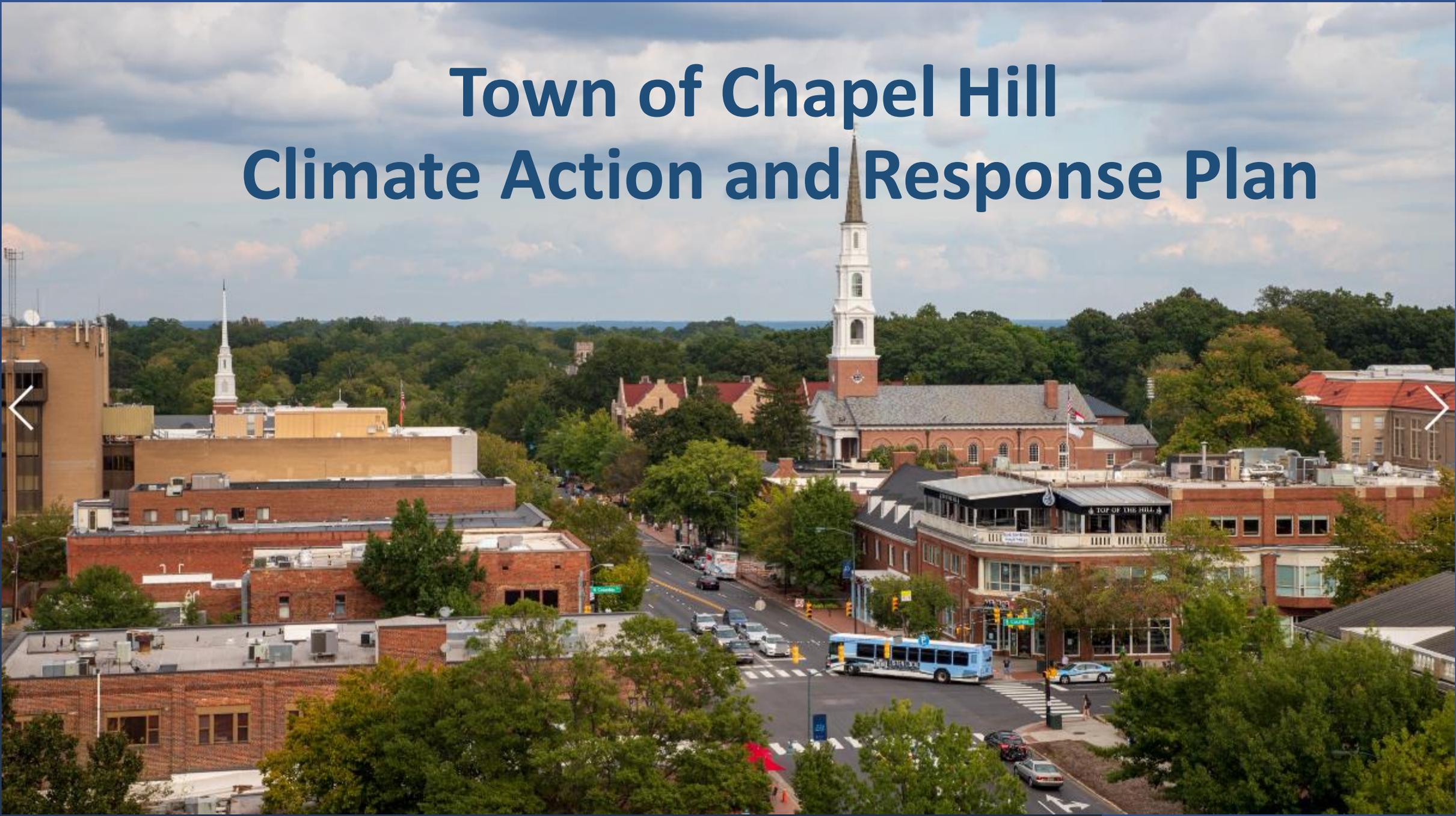


# Town of Chapel Hill Climate Action and Response Plan



**What's the context for  
climate action in Chapel Hill?**



## Town of Chapel Hill Climate Action and Response Plan



Town Council adopted  
the plan in 2021

Received a 2-year  
implementation plan

Authorized a \$470k  
climate budget for  
FY 2022

FY 2023 budget is  
\$550k

# Town & Community Climate Goals

**50%**

Emissions reduction by  
2030

**80%**

Clean, renewable  
energy by 2030

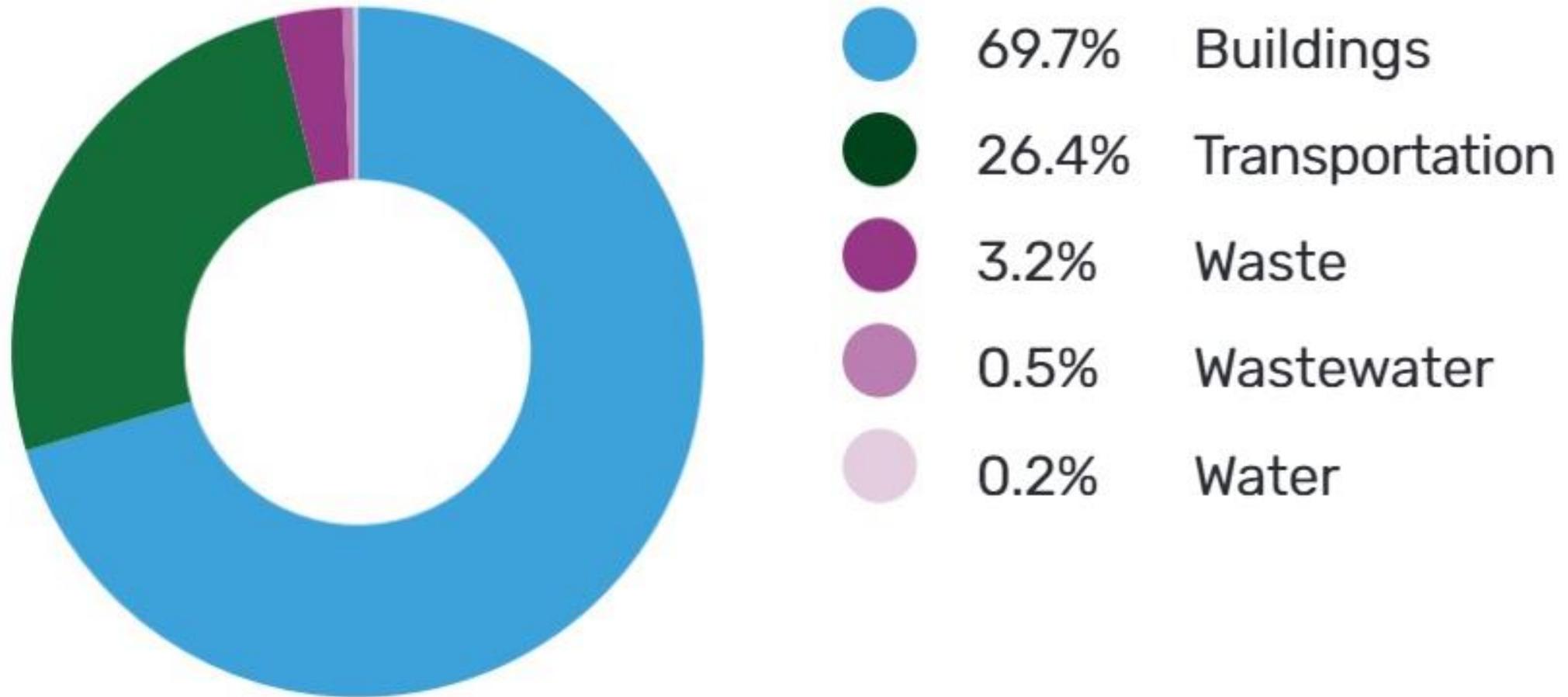
**Net-zero**

By 2050

**100%**

Clean, renewable  
energy by 2050

## Community GHG Emissions by Sector



**What are the top emissions  
reduction action categories  
in Chapel Hill?**



**1. Green the grid ▼ 30-31%**



**2. Sustainable transportation ▼ 12-13%**



**3. Sustainable development ▼ 11%**



**4. Green building retrofits ▼ 6-7%**

# Recent Climate Action Highlights



**1. Green the grid ▼ 30-31%**



# SOLARIZE THE TRIANGLE

Solar power and  
battery storage at  
crowdsourced prices



Join the movement  
to a cleaner and more  
resilient Triangle.

[SolarizetheTriangle.com](https://SolarizetheTriangle.com)

## 2022 CAMPAIGN MILESTONES

AS OF APRIL 7, 2023



**181**  
contracts signed



**1,731 kW**  
of new clean  
energy capacity



**2,404,614 kWh**  
produced annually



**\$300,500**  
in annual utility  
bill savings



**\$5.98M**  
in new clean energy  
development



**3.25M lbs**  
of CO<sup>2</sup> avoided  
annually



**2. Sustainable transportation ▼ 12-13%**

# EV Charging Infrastructure

Staff Lead: Brennan Bouma  
(Office of Sustainability & Resilience)



# EV Charging at Eubanks Park & Ride Lot

Reduces emissions 6.8 metric tons/year

# Fleet Electrification

Staff Leads: Mark Agosto (Public Works),  
Brennan Bouma (Office of Sustainability  
& Resilience)



# Ford E-Connect Van at Public Works

Equal to 61-66 mpg, 110+ mile range, zero tailpipe emissions



# EV Charging Stations at Public Works

6 level 2 electric vehicle chargers installed

# CHPD MACH-E



**200+ mile range**



**Equal to ~93 mpg**



**Zero tailpipe emissions**



Graphic: Alex Carrasquillo, CHPD

# Mobility Plan Implementation

Staff Leads: Bergen Watterson, Josh Mayo  
(Planning), Chris Roberts (Public Works)

# Mobility Plan Updates

✓ **Wayfinding Strategy**  
(needs implementation funding)

**Old Durham-Chapel Hill Rd bike lanes,  
sidewalks**  
(largely done, finalizing punch list)

**Ephesus Church Rd bike lanes**  
(installed, sidewalk needs funding)

**Estes Dr Connectivity Project**  
(estimated completion winter 2023)



# Mobility Plan Updates Continued

**Homestead Rd Sidewalks, Multi-use Path**  
(2<sup>nd</sup> bid opens May 10th)

**Estes Drive Extension Bike-Ped**  
(seeking design firm)

**Bolin Creek Greenway Extension**  
(seeking design firm)





**3. Sustainable development ▼ 11%**

# NC Building Code

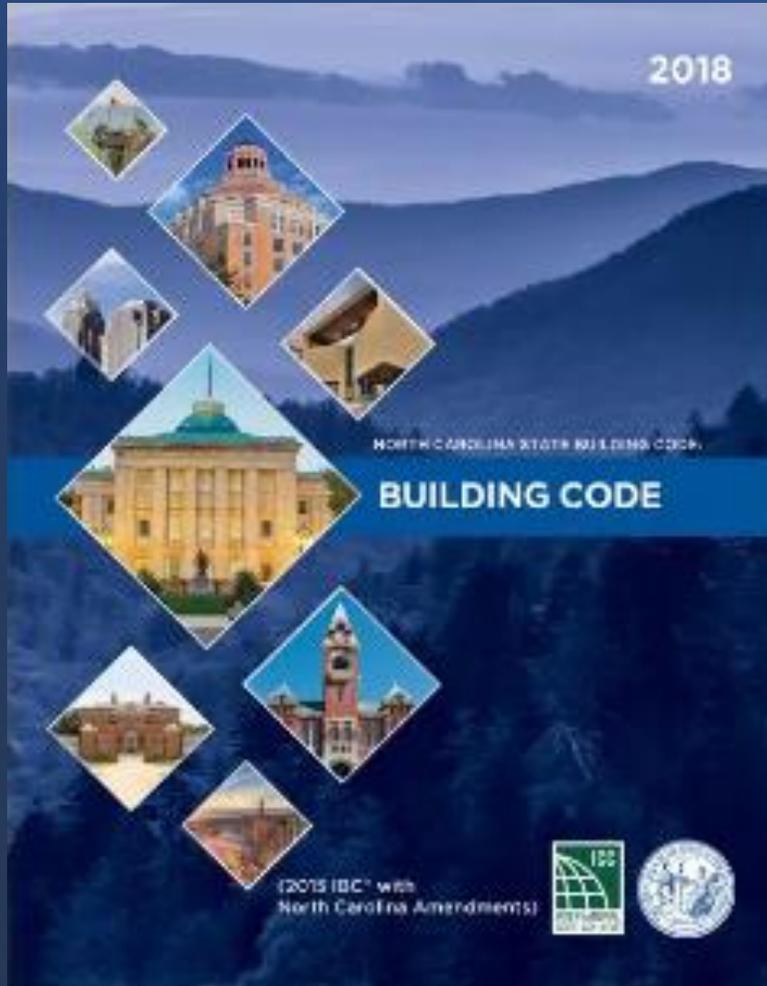
Comments submitted to NC Building Code Council in support of proposed amendments to the State's Energy Conservation Code

Projected benefits of proposal:

**16.3%** energy savings statewide

**\$300+** in annual household utility savings

**34 million** metric tons of emissions avoided





**4. Green building retrofits ▼ 6-7%**

# Cedar Falls Turf Field Upgrades

Staff Lead: Kevin Robinson (Parks & Rec)



# Cedar Falls LED Lighting + Turf Upgrades

Reduces emissions 12.8 metric tons/year



**Water, Wastewater & Natural Resources**

# Storm Drain Murals

Staff Leads: Steve Wright (Community Arts and Culture), Sammy Bauer (Stormwater)

Artist: Alice Holleman

Location: Town Hall



Artist: Anna Payne Rogers Previtte  
Location: Rosemary Street





Artist: Jesse White  
Location: N. Columbia St.



**Artist: Kelly Schrader**  
**Location: Airport Gardens Apartment**

# Orange County Creek Week

Staff Lead: Sammy Bauer (Stormwater)

A promotional graphic for Orange County Creek Week 2023. The background is a photograph of a rocky stream flowing through a lush green forest. In the upper left, there are four colored squares: orange with a white fish, blue with a white house and trees, green with a white person paddling, and yellow-green with an orange lizard. To the right of these squares, the text "ORANGE COUNTY CREEK WEEK" is written in large, white, bold letters. Below this, the dates "March 17-26, 2023" are displayed in a similar font. At the bottom of the graphic, the website "www.orangecountync.gov/CreekWeek" is listed. A list of activities is provided on the right side of the graphic. At the bottom of the graphic, there is a row of logos for various partner organizations.

ORANGE COUNTY  
**CREEK WEEK**

March 17-26, 2023

[www.orangecountync.gov/CreekWeek](http://www.orangecountync.gov/CreekWeek)

Orange County Creek Week celebrates the streams, lakes, and rivers that connect our human and non-human communities. It's a weeklong series of activities:

- Litter cleanup challenge
- Paddling trips
- Art workshops
- Invasive plant removal
- Green infrastructure tours
- And more!

ORANGE COUNTY NORTH CAROLINA | Department of Environment, Agriculture, Parks & Recreation | OWASA | HILLSBOROUGH STORMWATER AND ENVIRONMENTAL SERVICES | COUNTY OF ORANGE | COUNTY OF CHAPEL HILL | THE UNIVERSITY of NORTH CAROLINA at CHAPEL HILL

## By the numbers...

40 events

700+ participants

676 species observed

3,000 lbs. of trash removed

[YouTube video link](#)

Data: Kristin Prelipp, Orange County

# Earth Day Compost Pail Education Station and Giveaway

Staff Lead: Meeghan Rosen (Library)

# 500 compost pails given away on Earth Day

UNBOUND, 2016

UNBOUND is a permanent collection of four mixed green panels with 100 unbound green panels and 100 unbound white panels. The title UNBOUND refers to the concept of unbound information that has been "bound" and sealed.

The mixed green panels were collected from the community, including "Green Mail" (letters, bills, notices, and forms). The mixed white panels were collected from the community, including "White Mail" (letters, bills, notices, and forms). The mixed white panels were collected from the community, including "White Mail" (letters, bills, notices, and forms).

**TAKE A FREE COMPOST BIN**  
**WASTE MATTERS**

Composting is good for the planet and is easy as 1, 2, 3.

Happy Earth Month!  
You can help reduce waste by composting. Here's how to get started:

1. Separate the compostables on the screen
2. Grab a free compost pail
3. Use the information inside the pail to determine what to compost
4. Fill up the pail, then drop it off at a participating location. Rinse and repeat!



**Next Quarterly Update:**  
Fall 2023