

# BEC Compost Pilot Program with Key City Compost

Cassandra Ladino on behalf of the BEC  
M&C June 12, 2023

# Purpose

This pilot project will establish – at minimal cost to the Town – a community food waste drop-off program for residents to divert food scraps. The waste will be turned into compost by a private composting enterprise, which will generate finished compost for the Town's community garden as part of the company's compost give-back initiative.

- Composting reduces harmful greenhouse gas emissions, including the CO<sub>2</sub> and methane (25 times more harmful than CO<sub>2</sub>), by reducing reusable materials being buried in the county landfill and saving on landfill fees.

# Logistics Overview

- Key City Compost located in Frederick, MD is the only local composting service that offers residential service to Boonsboro.
- Cost as per Key City Compost's quote for once-a-week pick-up of one 64-gallon bin (provided and labeled): **\$220/month. One bin is estimated to serve 25-35 families.**
- If a second bin is deemed necessary, the price for pick-up will increase to \$330/month.
- Each week the bin will be exchanged for an empty, clean bin.
- The Boonsboro Environmental Commission will create signage regarding materials that can and can't be composted through the pilot program and prepare educational materials for the Town newsletter and website.
- The recommended site for the compost collection is the area alongside the Shafer Park Community Center, near the Apple Valley recycling bins. This provides convenience for residents, park attendees, and anyone using the Community Center for events producing food waste. This site will also provide ease of pick-up for Key City Compost.
- The BEC budget can support this program for the first year, but should it prove successful, it is recommended that this become part of the sanitation budget. The BEC will research and monitor the availability of grant funding over the FY24 budget year to further help reduce cost to the Town.
- This program would qualify for credits toward the Town's recertification in Sustainable Maryland Certified.

# Proposed Location

Community Center Building



# Key City Compost - Compost Bin



# Middletown Case Study

Middletown, MD has benefitted from Key City Compost service for over a year.

The following slides are examples based on Middletown's service.



# KEY CITY COMPOST COMMUNITY COMPOST BIN NUMBERS

Date	Weight
April 19	136 lbs
April 12	123 lbs
April 5	125 lbs
March 29	200 lbs
March 22	150 lbs
March 15	90 lbs
March 8	150 lbs
<b>Total so far</b>	<b>974 lbs</b>

Gallons of Gas avoided – 43.75

Seedlings planted – 6.4

Miles Driven Offset – 977.62

As of April 20, 2022



## ANNUAL SUSTAINABILITY REPORT

**START DATE:** 3-01-2022 **END DATE:** 12-31-2022

Town of Middletown  
313 S. Church St  
Middletown, MD 21769



### OFFSET EQUIVALENTS:



**CO2**  
EMISSIONS  
FROM

**211**

GALLONS  
OF GAS  
CONSUMED



GREENHOUSE  
**GAS**  
FROM

**4,667**

MILES  
DRIVEN  
BY AN AVERAGE  
PASSENGER VEHICLE



**CARBON**  
SEQUESTERED  
BY

**31**

TREE  
SEEDLINGS  
GROWN FOR  
10 YEARS



**CO2**  
EMISSIONS  
FROM

**228,688**

SMART  
PHONES  
CHARGED

### COLLECTION WEIGHTS:

Total 2022 Weight: 5,227 lbs (2.6 Ton)

**4539 METROPOLITAN COURT**  
**FREDERICK, MD 21704**

**240-608-0283**  
**INFO@KEYCOMPOST.COM**

# Informational materials and signage

## COMMUNITY COMPOSTING in Middletown is Available at Memorial Park!

**Compost-**

- Fruit & vegetable scraps
- Pasta, bread, cereal
- Egg shells
- Meat & dairy
- Coffee grounds, coffee filters & tea bags
- Paper towels & paper towel rolls
- Paper plates (100% paper only- no shiny coatings)
- Pizza boxes
- Flour & sugar bags
- Baking ingredients, herbs, spices
- Household plants, including soil
- Items labeled BPI Certified Compostable
- Items labeled ASTM D6868 or D6400

**Composting for Soil**

- Fruit & Vegetables
- Meat & dairy
- Pasta, bread, cereal
- Egg shells
- Paper towels & paper rolls
- Flour & sugar bags
- Coffee grounds, coffee filters & tea bags
- Paper Plates
- Pizza boxes
- Baking ingredients, herbs, spices
- Household plant's including soil
- Items labeled BPI, ASTM D6868 or D6400

**NO PLASTICS, GLASS, or METALS**

CALL KEY COMPOST 862-277-0401 or EMAIL info@keypost.com

**KEY COMPOST**

**Not Accepted-**

- PLASTIC
- Styrofoam trays
- Aluminum foil
- Candles, synthetic corks & gum
- Dental floss & Q-tips
- Dryer lint sheets
- Disposable mop sheets
- Vacuum cleaner bags
- Hair, pet fur, pet waste
- Fireplace ashes
- Items labeled biodegradable
- Items labeled recyclable materials

**PLEASE REMEMBER OUR TEAM SORTS CONTAMINATION BY HAND! WHEN IN DOUBT, THROW IT OUT.**

**compost for soils**

**Sustainability Committee**

**Middletown**





# Advertising and Communication

COMMUNITY  
COMMUNITY  
COMMUNITY

## New Community Composting Bin!

By Robin Maliszewskyj

**A** new "green" asset is coming to Middletown! The Town's Sustainability Committee has teamed up with Key City Compost to provide a community composting bin beginning March 1. For a 90-day trial, the bin will be located by the trash dumpster at Memorial Park.

"The hope is that folks using the park for picnics will put their food waste in the bin, along with folks who don't have a compost bin in their yard, like those who live in apartments," said Green Team leader Cindy Unangst.

The bin will be roughly the size of the recycle bins that residents currently have and will be picked up once a week.

The bin project is being funded by the Town, with the idea coming from the Sustainability Committee. Cindy

said, "Back in December, the students at Middletown Elementary School started the Lunch Out Of Landfills (LOOL) program, so they are already very familiar with putting food scraps in a compost bucket instead of in the trash. We are hoping that those students are telling their parents that they should be composting at home, as well. The program will hopefully be starting at Middletown Middle School soon, as well. Of course, the whole committee is excited about this, and especially Erin Carney, who's daughter was the driving force in getting the LOOL program started."

But a compost bin is only as good as the things placed in it! See the accompanying lists for what to put in and what not to. The composting team will be hand-sorting out the contamination, so when in doubt, leave it out!

***Save the Date!* The Green Expo is Sat., April 23 at Memorial Park, 9am – Noon!**

### FOR COMPOST:

- Fruit & vegetable scraps
- Pasta, bread, cereal
- Egg shells
- Meat & dairy
- Coffee grounds, coffee filters & tea bags
- Paper towels & paper towel rolls
- Paper plates (100% paper only- no shiny coatings)
- Pizza boxes
- Flour & sugar bags
- Baking ingredients, herbs, spices
- Household plants, including soil
- Items labeled BPI Certified Compostable
- Items labeled ASTM D6868 or D6400

### NOT ACCEPTED:

- Plastic
- Glass
- Metal
- Styrofoam trays
- Aluminum foil
- Candles, synthetic corks & gum
- Dental floss & Q-tips
- Dryer lint sheets
- Disposable mop sheets
- Vacuum cleaner bags
- Hair, pet fur, pet waste
- Fireplace ashes
- Items labeled biodegradable
- Items labeled recyclable materials

# Thank You!

Questions

