

## Memorandum

To: Middletown Sustainability Committee

From: Cindy Unangst, Staff Planner

Date: April 18, 2022

RE: April Green Team meeting agenda for Tuesday, April 19<sup>th</sup> in person and via Lifesize

**Topic: April Sustainability Committee meeting**  
**Time: April 19, 2022 05:00 PM Eastern Time (US and Canada)**

**Meeting link**

<https://call.lifesizecloud.com/12429552>

**Extension**

12429552

**Passcode**

21769

**Phone**

United States:+1 (312) 584-2401

Meeting discussion items:

1. March meeting minutes approval
2. Outreach sub-committee report; BTW – we now have business cards!
3. BASECAMP projects:
  - Pollinator demonstration gardens – edging for Memorial Park is done; plant tags are ready for installation; Village of Foxfield eyebrow and circle planting; meadow planting at Remsberg Park; pollinator garden care schedule.
  - Bee City USA – renewal application submitted end of February; will need to start working on IPM for next year’s submittal.
  - Compost project – bin site at Memorial Park (Cindy has weight numbers to share!)
  - Lunch Out Of Landfills – started Feb.28th for 6<sup>th</sup> grade students at MMS; NexTrex program at MES
  - Website updates, ideas (‘green homes,’ climate change)
4. Tree plantings – Potomac Edison program on Friday, April 29th; tree planting maint. schedule (see below); Keep Maryland Beautiful grant for 10 EarthPlanter trees was awarded!!
5. Mosquito control in town stormwater management facilities (Ann P./Karen W.)
6. Tree City USA – growth award was approved, and materials were received
7. Green Expo – planning is in full force!
8. Budget discussion
9. Gift Tree Program – flyer boxes were installed at Wiles Branch Park, Memorial Park and on Cone Branch Trail – please monitor as you frequent those areas; beautiful new brochures were perfected by Pam.

- 10. Green Lecture series with library – mosquito control, composting, organic lawn care
- 11. Citizen scientists for research (Andrew L.)
- 12. May meeting date – third Tuesday – May 17<sup>th</sup>

**GOALS FOR 2022:**

PLANT <b>100</b> TREES IN 2022 –									
CREATE A TREE GIFT PROGRAM - GOAL OF <b>\$1000</b> –									
QUANTIFY/SHOW PROGRESS ON <b>25%</b> CANOPY BY <b>2025</b>									
HOLD GREEN EXPO – April 23rd									
SUPPORT MES & MMS LOOL PROGRAM - VOLUNTEER SUPPORT - <b>✓</b>									
PROMOTE & SELL 20 COMPOSTING BINS –									
PROMOTE & SELL 25 RAIN BARRELS (GRANT REQUEST)?									
EVALUATE & RECOMMEND STREETLIGHT BUYBACK PROGRAM TO TOWN BOARD									
CREATE <b>2 AC</b> POLLINATOR MEADOW NEAR SOLAR ARRAY									
EDUCATION ON STORMWATER PERMIT PROGRAMS									

**FUTURE AGENDA ITEMS:**

- Habitat advisor volunteers

**FUTURE PLANTING AREAS:**

- North Pointe thicket (see Ann P.) – willow tree and button bushes

**TREE PLANTING MAINTENANCE SCHEDULE**

**April 8 (Friday) 10-12:30am – FRO area at Knoll Side Lane/Alt 40A**  
**April 12 (Tuesday) 1:00-2:30pm – finish FRO area; North Pointe plantings**  
**April 26 (Tuesday) 1:30-3pm – Middletown Parkway plantings – staking/pruning**

**May 3 (Tuesday) 1:30-3:00pm – North Pointe plantings – needed pruning**  
**May 10 (Tuesday) 9-10:30am - FRO area off Layla Drive - inventory**  
**May 20 (Friday) 10-11:30am – FRO area off Layla Drive**

**June 3 (Friday) 10-11:30am – Wiles Branch dog park**  
**June 7 (Tuesday) 9-10:30am – Cone Branch pocket park**  
**June 17 (Friday) 10-11:30am – Cone Branch pocket park**

## Draft Middletown Sustainability Minutes 3 15 2022

Time: Tuesday, March 15, 2022 from 5:00-6:30 P.M.

Attendance (in-person and virtual meeting): Cindy Unangst, Gene Fleeman, Ann Payne, Agnesanne Danehey, Adam Stanzione, Edamarie Mattei, Mark Carney, Kevin Stottlemeyer, Pam McDonald.

Meeting Minutes:

1. February meeting minutes approved with a few edits.
2. Goals for 2022 and updated Annual Report – A Look at Where we Are. Sustainable Maryland has Middletown correctly certified now and the town's information is on the Sustainable Maryland website. Cindy shared the 2019 list of achievements. We will need to recertify by July 2022. The updated goals for 2022 are listed below after the minutes. The team discussed how to procure and sell rain barrels for the town as our past suppliers are no longer making them. MEA has a lot of grant money available to buy back street lights to convert to LEDs. Burgess Miller is interested in the town pursuing a Solar array pollinator meadow by the solar array at Remsberg Park.
3. BASECAMP projects:
  - Pollinator demonstration gardens – edging and stone path for Memorial Park—on schedule for town staff; Ann to take pictures of weeds in garden and frost heaves of native plants and share on Basecamp for volunteer garden caretakers.
  - Plant tags for pollinator garden: The team decided to start with small individual tags that we write names on each tag (25 for \$34). Also discussed the Fountain Rock and Urbana sign with QR code that a National Park Service volunteer designed (\$100 to print). It will also need a stand designed and installed. This may be an option for a later time.
  - Left in budget: \$655 for fiscal year. Cindy inquired about the budget for pollinator garden plants. Edamarie graciously volunteered to donate native plants for the memorial pollinator garden.
  - Bee City USA – renewal application submitted end of February; will need to start working on Integrated Pest Management Plan (IPM) plan for next year's submittal. Mark reported there are municipal models that we can copy.
  - Compost project – bin site at Memorial Park. Bin has been half full. Need to keep getting reminders out to the community. Town will pick up 20 more compost bins to sell at cost at \$40 by the Green Expo.
  - Lunch Out Of Landfills (LOOL) – started Feb.28th for 6<sup>th</sup> grade students at MMS. Green team helped the first week but the students have taken the lead for the program. They are not weighing the waste so will not have the data that we would like to see and track. LOOL could still use volunteers to help transport food from lunch room to the food bank. NexTrex plastic recycling program is in place at Middletown Elementary School.
5. Tree plantings – Potomac Edison program on Friday, April 29th; Arbor Day proclamation at 10 a.m. Tree planting maintenance schedule (see below); Keep Maryland Beautiful grant

application for EarthPlanter trees (grant announcement not received in time for March meeting).

Cindy ordered the following trees for residents and town: 35 Dogwoods (31 for residents), 30 Redbuds (25 for residents), 30 Serviceberries (17 for residents), 30 Scarlet Oaks (14 for residents), 30 Red Maples (9 for residents), 30 Willow Oaks (3 for residents), plus 10 Sweet Gums, 5 Sycamores, 5 Tulip poplars for the balance of trees for the town.

Town Tree planting idea: Plant some red maples and serviceberries along parking area behind the Food Bank as part of 100 trees to plant on 4/29.

Cindy matched people wanting help with trees with nearby neighbors that have volunteered to help. Cindy has sent out letter to all residents getting trees with all needed information.

6. Mosquito control in town stormwater management facilities (Ann P./Karen W.). Ann suggested a speaker about mosquito control issue can join the May Green Team meeting and have a Q&A. There will also be a business at the Green Expo—Mosquito Hunters—that offers sustainable mosquito control options.
7. Tree City USA – growth award was approved!; should receive materials by Arbor Day
8. Green Expo – planning is in full force! This will be the same day at Color The Streets. Main Street Middletown will be doing joint advertising and will have mechanism to direct people to both events. Need to have good signage to Green Expo. Cindy has large sign for Main Street announcing the Green Expo. Ann Marie of FC recycling wants to bring 26 foot trailer for recycling textiles—Cindy will learn more about this option.
  - For the musician from 12-2, we will need a mic and speakers.
  - We will need photographers to take lots of photos of event. Green team volunteers?
  - We will do lots of Facebook posts to get residents excited about the event.
  - Can we send Green Expo Flyers to schools?
  - April Green Team meeting will be prep for Green Expo: Make signs, etc.
  - The Vine Plant Outlet (Mary)-Pam will ask if she would donate a hanging basket
9. Gift Tree Program – flyer boxes were installed at Wiles Branch Park, Memorial Park and on Cone Branch Trail – please monitor as you frequent those areas; beautiful new brochures were perfected by Pam.
10. April meeting date – third Tuesday – April 19<sup>th</sup>

**GOALS FOR 2022:**

PLANT <b>100</b> TREES IN 2022 –				
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QUANTIFY/SHOW PROGRESS ON <b>25% CANOPY</b> BY <b>2025</b>				
HOLD GREEN EXPO -				
SUPPORT MES LOOL PROGRAM - VOLUNTEER SUPPORT -				



# MONTHLY SUSTAINABILITY REPORT

**START DATE:** 3-01-2022

**END DATE:** 3-31-2022

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



## OFFSET EQUIVALENTS:



**C02**  
EMISSIONS  
FROM

**24**

GALLONS  
OF GAS  
CONSUMED



GREENHOUSE  
**GAS**  
FROM

**521**

MILES  
DRIVEN  
BY AN AVERAGE  
PASSENGER VEHICLE



**CARBON**  
SEQUESTERED  
BY

**4**

TREE  
SEEDLINGS  
GROWN FOR  
10 YEARS



**C02**  
EMISSIONS  
FROM

**25,545**

SMART  
PHONES  
CHARGED

## COLLECTION WEIGHTS:

Total Weight: 590 lbs (0.3 Ton)

**4539 METROPOLITAN COURT  
FREDERICK, MD 21704**

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

# COMPOST BINS FOR SALE

**We have 20 compost bins available for purchase at the town hall.  
They are available first come / first served. No reservations.**

The "FreeGarden EARTH" compost bin is an efficient, durable, and economical tool that saves money and provides many benefits for homeowners and gardeners. Manufactured of 100% recycled content, its single-unit main body construction means no difficult assembly, and no structural integrity issues over time or in extreme weather conditions.

The animal and pest resistant lid twists for variable ventilation control, and covers a large 19.5" opening that offers easy, generous access to add material and maintain the pile.

Large 11 cubic feet capacity

No assembly required

Twist locking lid

Single Body design means virtually no maintenance with proper ventilation

Adjustable upper Body Vents to regulate airflow

**In-Town Residents \$40/per bin**

**Out-of-Town Residents \$40/per bin**

**(Limit 1 per household)**

**(Reg. Price \$102)**

**Checks made payable to:**

**Town of Middletown**

**or Exact Cash Amount Accepted**

**Compost Bin Dimensions**

**Item Depth 28" - Item Height 33"**

**Item Width 32" - Item Weight 22 lbs**



**MIDDLETOWN  
GREEN TEAM**

**Sponsored By  
Town of  
Middletown**





# Volunteers Needed!

🌳 🌳 🌳 For Tree Planting 🌳 🌳 🌳

## Arbor Day Proclamation!

Friday, April 29<sup>th</sup> 10:00 am - Noon



The Town of Middletown, is asking for **VOLUNTEERS** to help plant native trees on town-owned land in



# Wiles Branch Park



TREE CITY USA

**Bring shovels and wear gloves.**

Look for the signs to know where to park and meet!  
See you there



If you have any questions, please do not hesitate to contact - Middletown Staff Planner, Cindy Unangst, at 301-371-6171.

Anyone is welcome to help with this volunteer effort - families, students, retirees, civic organizations, businesses, etc. **BY THE WAY, THE HOLES WILL BE DUG!**

Middletown residents are encouraged to plant trees on their own properties!  
A \$25 off coupon for a native tree is available at the town office.



# What You Need to Know About Mosquitos in Maryland

## Do mosquitos play a beneficial role in the environment?

Believe it or not, they do. They are an important food source for many predators including dragonflies, fish, birds, and frogs. There are almost 200 species of mosquitos found in North America and 59 of these live in Maryland. Yet only three species pose a real concern because of the diseases they can spread.



Figure 1: James Gathany/CDC Wikimedia Commons

- 1) This is the Asian tiger mosquito (*Aedes albopictus*). Note its black and white striped body. It is active during the DAY! It can transmit yellow fever, Zika, dengue, chikungunya, and encephalitis. All they need is a bottle cap full of water that remains stagnant for up to a week to complete their life cycle.



Figure 2: Rafael Wikimedia Commons

- 2) This is the yellow fever mosquito (*Aedes aegypti*). Note its horizontal posture. It is also active during the DAY! It can transmit yellow fever, Zika, dengue, and chikungunya. It also only needs a little bit of water to complete its life cycle. It is another container breeder.



Figure 3: Jesto Wikimedia Commons

- 3) This is the common house mosquito (*Culex pipiens*). Note it is brown rather black like the other two mosquitos. It is active at NIGHT! It can transmit West Nile virus and encephalitis. It prefers permanent pools of stagnant water to complete its life cycle.

## Other important mosquito facts:

- Only female mosquitos bite.
- Mosquitos hibernate over the winter. Once the temperatures rise above 60°F, they wake up and come out.
- Mosquitos can be active between April and October.
- The Asian tiger mosquito has a range of only about 300 feet. However, some mosquitoes can travel up to three miles.
- Mosquitos find you by sensing movement, infra-red radiation emanating from warm bodies, and carbon dioxide and sweat.
- Females need blood to help their eggs develop. They can lay up to 300 eggs.



For more information about a variety of environmentally sustainable practices, please see our webpage:

<https://www.greenmiddletown.com/sustainability-committee>



# Easy Things You Can Do to Control Mosquitos in Your Yard

*Remember all it takes is a bottle cap filled with water so you need to find places where water can hide. Here are some suggestions for where to look and what to do:*

- Empty anything that might collect water including children's and pet toys, wading pools, used tires, buckets, bicycles, wheelbarrows, canoes, boats, garbage can lids, recycling containers, trash, other kinds of containers, etc.
- Folds in tarps and plastic sheeting can hold water. Try to get them as flat as you can and be sure to remove any standing water at least once a week.
- Empty and clean birdbaths and trays under potted plants once a week.
- Since mosquitos hate moving water, use a fountain or aerator in birdbaths and ornamental ponds.
- Maintain all water spigots and window air conditioners. That nasty drip that creates a puddle also provides a place where mosquitos can breed.
- Make sure your gutters and down spouts are clean and there is no standing water. One key place mosquitos like to breed are those corrugated gutter drains. Cover with nylon stockings or use smooth PVC pipes.
- Remove pet dishes if not being actively used.

## What Not to Do to Control Mosquitos

- Do not use bug "zappers." These kill beneficial insects including bees and other pollinators.
- Do not use mosquito traps. These only attract more mosquitos.
- No plants have been scientifically proven to control mosquitos.
- Biorational larvicide such as Mosquito Dunks or Mosquito Torpedoes are safe to use, but only use after you have tried everything else.
- Most importantly, **DO NOT USE INSECTICIDES** unless you have tried all other options, and you still have a problem. Then, only use them sparingly.

## Important Resources

Maryland Department of Agriculture

[https://mda.maryland.gov/plants-pests/Pages/mosquito\\_control.aspx](https://mda.maryland.gov/plants-pests/Pages/mosquito_control.aspx)

University of Maryland Extension Service

<https://extension.umd.edu/resource/controlling-mosquitoes>

Montgomery County Government

<https://www.montgomerycountymd.gov/mosquito/index.html>



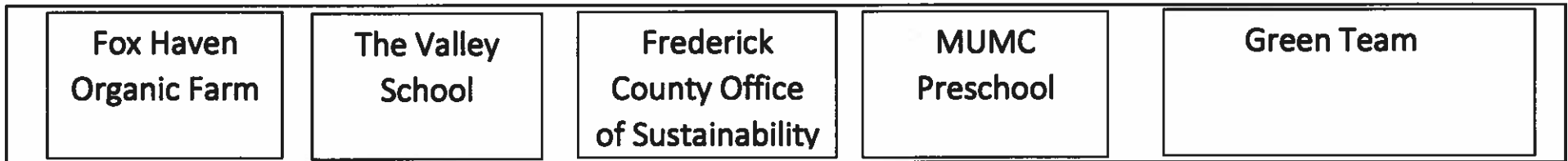
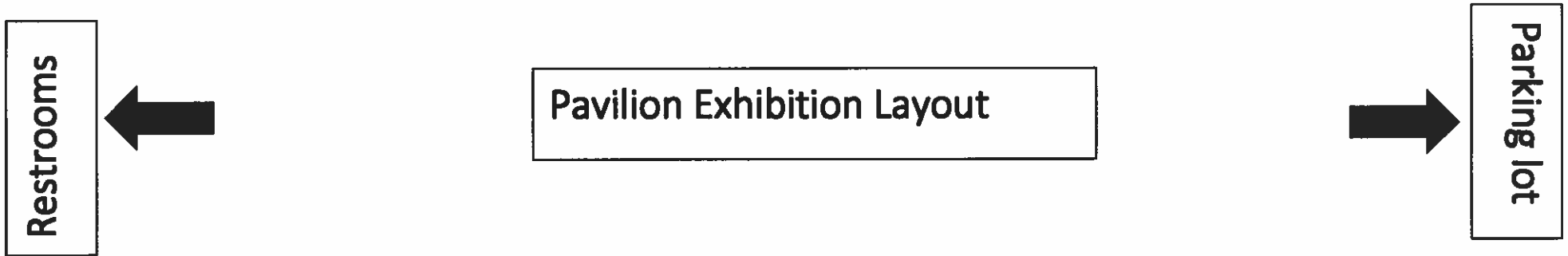
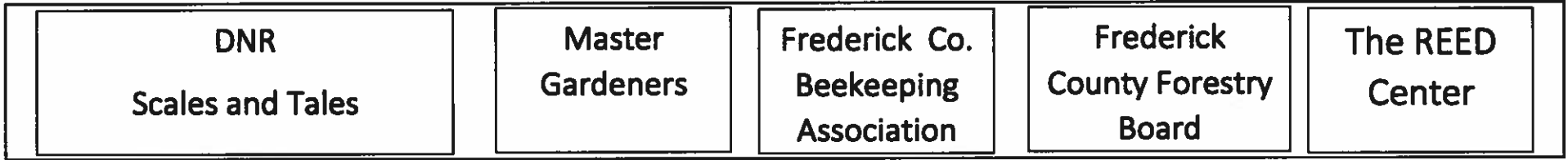
Mosquito Education Project Coordinator - Ann Payne

Mosquito Education Project Researcher/Writer - Karen Whitehair

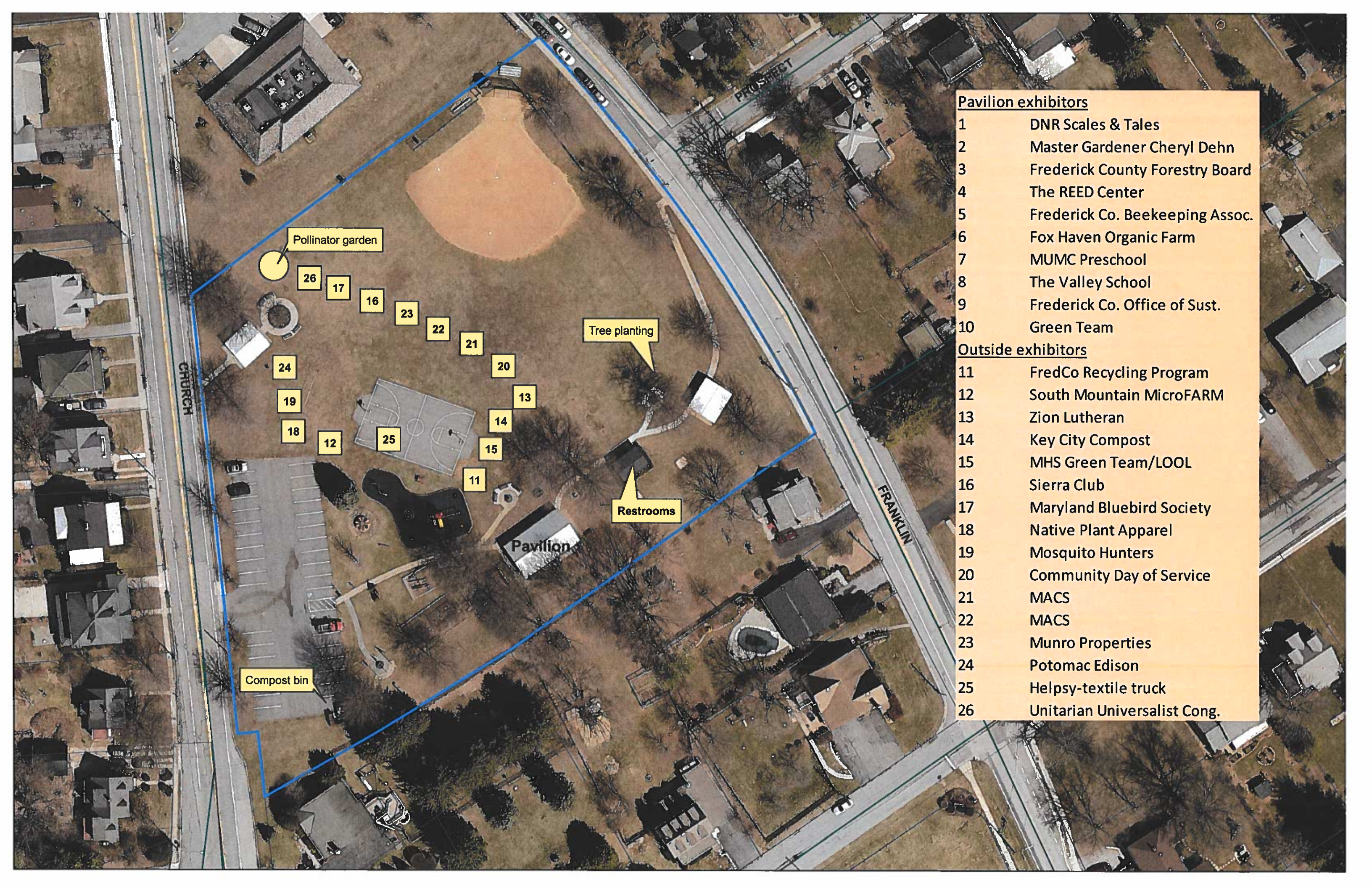
**2022 GREEN EXPO SIGN-UP**

Saturday, April 23rd

<b>Time</b>		<b>Number of Volunteers Needed</b>	<b>Names</b>
<b>9:00am - 10am</b>	<b>Set-upAll hands on deck</b>	<b>2</b>	_____
<b>10am - Noon</b>	<b>Green Team info table</b>	<b>2</b>	Pam McDonald_____
<b>10am - Noon</b>	<b>Pollinator Garden</b>	<b>2</b>	Karen Whitehair_____ AnnPayne_____
<b>10am - Noon</b>	<b>Community compost bin</b>	<b>1</b>	_____
<b>Noon - 2pm</b>	<b>Green Team info table</b>	<b>2</b>	Bill Spare_____ _____
<b>Noon - 2pm</b>	<b>Pollinator Garden</b>	<b>2</b>	Pam McDonald_____
<b>Noon - 2pm</b>	<b>Community compost bin</b>	<b>1</b>	_____
<b>2pm-3pm</b>	<b>Clean-upAll hands on deck</b>		Pam McDonald_____







- Pavilion exhibitors**
- 1 DNR Scales & Tales
  - 2 Master Gardener Cheryl Dehn
  - 3 Frederick County Forestry Board
  - 4 The REED Center
  - 5 Frederick Co. Beekeeping Assoc.
  - 6 Fox Haven Organic Farm
  - 7 MUMC Preschool
  - 8 The Valley School
  - 9 Frederick Co. Office of Sust.
  - 10 Green Team
- Outside exhibitors**
- 11 FredCo Recycling Program
  - 12 South Mountain MicroFARM
  - 13 Zion Lutheran
  - 14 Key City Compost
  - 15 MHS Green Team/LOOL
  - 16 Sierra Club
  - 17 Maryland Bluebird Society
  - 18 Native Plant Apparel
  - 19 Mosquito Hunters
  - 20 Community Day of Service
  - 21 MACS
  - 22 MACS
  - 23 Munro Properties
  - 24 Potomac Edison
  - 25 Helpsy-textile truck
  - 26 Unitarian Universalist Cong.



# MIDDLETOWN SUSTAINABILITY COMMITTEE BUDGET FY2022

	<u>Budget</u>
Banner to advertise Green Expo (cost for editing)	\$100
Advertising in The Frederick News Post	\$125
Shredding event at Green Expo (All Shred)	\$330
DNR Scales and Tails program	\$400
Musician for Green Expo	\$200
Tree seedlings to give away	\$220
64 gal community compost bin to be collected 1xper week for the year	\$1,560
Pollinator garden - plants, tilling, mulch, plant tags	\$2,000
Bee City USA renewal	\$100
Basecamp software yearly charge	\$500
Greemiddletown website annual charge	\$225
Tree planting program trees	\$1,000
<b>TOTAL</b>	<b>\$6,760</b>