



AGENDA
ENVIRONMENTAL ADVISORY BOARD
CITY OF PORT ORANGE

Meeting Date: Monday, July 26, 2021

Time: 5:15 PM

Type of Meeting: Regular

Location: 2nd Floor Conference Room
City Hall, 1000 City Center Circle

A. CALL TO ORDER

1. Roll Call

B. DISCUSSION/ACTION

2. Consideration of Minutes - April 26, 2021
3. Be Floridian Now program / Christie Miller, Be Floridian Now and Volunteer Coordinator, Volusia County Environmental Management
4. Discussion with Parks & Rec Regarding Plastics at City Events
5. Tree Bank Fund Discussion
6. Items for Next Agenda

C. PUBLIC COMMENTS

D. BOARD COMMENTS

E. ADJOURNMENT

7. Next Meeting Date: September 13, 2021
8. Board Report to City Council - August 3, 2021

NOTICES — PURSUANT TO SECTION 286.0105 OF THE FLORIDA STATUTES, IF ANY PERSON DECIDES TO APPEAL ANY DECISION MADE BY THE ENVIRONMENTAL ADVISORY BOARD WITH RESPECT TO ANY MATTER CONSIDERED AT THIS PUBLIC MEETING OR HEARING, SUCH PERSON WILL NEED A RECORD OF THE PROCEEDINGS, AND THAT, FOR SUCH PURPOSE, SUCH PERSON MAY NEED TO ENSURE THAT A VERBATIM RECORD OF THE PROCEEDINGS IS MADE, WHICH RECORD INCLUDES THE TESTIMONY AND EVIDENCE UPON WHICH THE APPEAL IS TO BE BASED. THE CITY DOES NOT PREPARE OR PROVIDE SUCH A RECORD.



FOR SPECIAL ACCOMMODATIONS, PLEASE NOTIFY THE CITY CLERK'S OFFICE (PHONE: 386-506-5563) AS FAR IN ADVANCE AS POSSIBLE, BUT PREFERABLY WITHIN 2 WORKING DAYS OF YOUR RECEIPT OF THIS NOTICE OR 5 DAYS PRIOR TO THE MEETING OR HEARING DATE.



HELP FOR THE HEARING IMPAIRED IS AVAILABLE THROUGH THE ASSISTIVE LISTENING SYSTEM RECEIVERS CAN BE OBTAINED FROM THE CITY CLERKS' OFFICE.

Environmental Advisory Board Meeting

Monday, July 26, 2021

Page 2 of 2

IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA), IF YOU ARE A PERSON WITH A DISABILITY WHO NEEDS AN ACCOMMODATION IN ORDER TO PARTICIPATE IN THIS PROCEEDING, YOU ARE ENTITLED, AT NO COST TO YOU, THE PROVISION OF CERTAIN ASSISTANCE. PLEASE CONTACT THE CITY CLERK FOR THE CITY OF PORT ORANGE, 1000 CITY CENTER CIRCLE, PORT ORANGE, FLORIDA 32129, TELEPHONE NUMBER 386-506-5563, CITYCLERK@PORT-ORANGE.ORG, AS FAR IN ADVANCE AS POSSIBLE, BUT PREFERABLY WITHIN 2 WORKING DAYS OF YOUR RECEIPT OF THIS NOTICE OR 5 DAYS PRIOR TO THE MEETING OR HEARING DATE. IF YOU ARE HEARING OR VOICE IMPAIRED, CONTACT THE RELAY OPERATOR AT 7-1-1 or 1-800-955-8771.

UPON REQUEST BY A QUALIFIED INDIVIDUAL WITH A DISABILITY, THIS DOCUMENT WILL BE MADE AVAILABLE IN AN ALTERNATE FORMAT. IF YOU NEED TO REQUEST THIS DOCUMENT IN AN ALTERNATE FORMAT, PLEASE CONTACT THE CITY CLERK WHOSE CONTACT INFORMATION IS PROVIDED ABOVE.

ENVIRONMENTAL ADVISORY BOARD
MEETING MINUTES
CITY OF PORT ORANGE
1000 CITY CENTER CIRCLE – CITY HALL
2nd FLOOR CONFERENCE ROOM
PORT ORANGE, FLORIDA
APRIL 26, 2021 AT 5:15 P.M.

A Regular Meeting of the Environmental Advisory Board was called to order by Chair Kristine Cunningham at 4:00 p.m.

Present: Kristine Cunningham, Chair
John Macaluso
Philip Klema
Nancy Vaughn
Michael Anderson

Absent: Mike Arminio (unexcused)

Also Present: Margaret Tomlinson, Construction & Engineering Manager
Shelby Field, Assistant City Clerk

B. DISCUSSION/ACTION

2. Consideration of Minutes - March 15, 2021

Motion to approve the March 15, 2021 minutes with an amendment to Member Vaughn's statement in "Board Comments" changing the League of Women Voters "event" to "ECHO/Volusia Forever information sessions" was made by Member Vaughn and Seconded by Vice Chair Macaluso. Motion carried unanimously by voice vote.

3. Advent Health Brownfield Cleanup Update - Michael O. Sznajstajler/Cobb Cole

Michael O. Sznajstajler, Cobb Cole, provided an update on the Brownfield Cleanup and answered questions from the Board.

4. Financial Report for the Tree Bank Fund

Margaret Tomlinson, Construction & Engineering Manager, requested direction from the Board on where they would like to see the money spent. This item will come before the Board on July 26, 2021 for discussion and direction.

5. Environmentally Friendly Options for Riverwalk Park

The Board discussed environmentally friendly options for Riverwalk Park such as planting mangroves, creating a living shoreline and providing educational resources discussing the

purpose and benefits of both. Ms. Tomlinson suggested adding living oyster mats. Vice Chair Macaluso suggested adding displays of local vegetation and regional wildlife.

6. Topics for Joint Workshop with City Council

The Board discussed their priorities for discussion with City Council at a Joint Workshop, date to be determined. They are as follows:

1. Investigate the Language in the Land Development Code Regarding Sick/Diseased Specimen Trees
2. Environmentally Friendly Options for Riverwalk Park
3. Rework Existing City Sidewalks with Root Damage
4. Residential Root Damage

7. Article for the Next Quarterly Newspaper

The Board would like to add a reminder of the City's irrigation and fertilizer ordinances.

8. Items for Next Agenda

Tree Bank Fund Discussion

Board Member Attendance

Air Quality Reports Discussion

Discussion with Parks Regarding Plastics at City Events

C. PUBLIC COMMENTS

There were none.

D. BOARD COMMENTS

Chair Cunningham inquired about Member Foleys open position. This item will go before City Council May 4, 2021. Chair Cunningham also inquired about board member attendance. This item will be discussed at the July 26, 2021 meeting.

Member Vaughn informed the Board she talked to City Forester Steve Edgar about using more Native Plants.

E. ADJOURNMENT – 6:25 p.m.

9. Next Meeting Date: July 26, 2021

10. Board Report to City Council - May 4, 2021

Chair Kristine Cunningham

DON'T LET **GREEN** FLOW DOWNSTREAM

Protect Our Lagoon, Follow Fertilizer Laws

SKIP THE PHOSPHORUS

Make sure the middle number, Phosphorus (P), on your bag is zero! Only apply Phosphorus if a soil test confirms it is needed.

JUST SAY NO TO N IN THE SUMMER

It is against the law to apply any N (nitrogen) to the lawn during the rainy season from June 1 to September 30.

GO SLOW ON N IN THE SPRING

You must use fertilizer with at least 50% slow release nitrogen. The best time to apply N is in the spring.

What are the Three
Numbers I See on
Fertilizer Bags?



STAY AWAY FROM THE WATERWAY

Keep fertilizer away from any body of water. Set-backs range from 10-25 feet, check your local ordinance to be sure of your set-backs at www.BeFloridianNow.org.

BLOW GRASS BACK

Fertilize your lawn naturally! Keep all grass clippings and vegetative material away from streets, storm drains, and water bodies. Blowing them back on the lawn provides natural fertilizer!

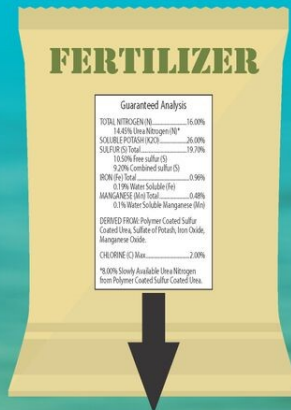
For more information, visit
www.BeFloridianNow.org



WHAT DO I LOOK FOR IN FERTILIZER?

Look for the terms time-release, slow-release or controlled-release on the product label. At least 50% of the nitrogen (N) in the fertilizer should be slow-release nitrogen.

To determine how much nitrogen in your fertilizer is slow-release use the "Guaranteed Analysis" (or fertilizer content) label on your fertilizer bag, along with the calculation below.



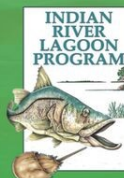
KNOW IF YOUR FERTILIZER IS SLOW!

50% SLOW RELEASE CALCULATION

Guaranteed Analysis	
TOTAL NITROGEN (N)	16.00%
14.45% Urea Nitrogen (N)*	
SOLUBLE POTASH (K ₂ O)	26.00%
SULFUR (S) Total	19.70%
10.50% Free sulfur (S)	
9.20% Combined sulfur (S)	
IRON (Fe) Total	0.96%
0.19% Water Soluble (Fe)	
MANGANESE (Mn) Total	0.48%
0.1% Water Soluble Manganese (Mn)	
DERIVED FROM: Polymer Coated Sulfur Coated Urea, Sulfate of Potash, Iron Oxide, Manganese Oxide.	
CHLORINE (C) Max	2.00%
*8.00% Slowly Available Urea Nitrogen from Polymer Coated Sulfur Coated Urea.	

$$\frac{8}{16} \times 100 = 50\% \text{ Slow Release}$$

This bag meets requirements to apply October-May.



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HOW TO FERTILIZE LIKE A FLORIDIAN

Volusia County bans the use of fertilizer containing nitrogen or phosphorus from June 1 through Sept. 30

In Florida, summer rains wash fertilizers with nitrogen and phosphorus into our lakes and rivers, damaging what makes this state so beautiful. That's why it's illegal in Volusia County to use fertilizer with nitrogen or phosphorus during the summer rainy season, and why slow-release is required the rest of the year.

The good news is there are lots of ways to keep your yard looking great – while keeping algae-feeding nitrogen and phosphorus out of our waterways.

OCTOBER THROUGH MAY

- **Twice is nice.** Fertilize just twice a year, in April and October.
- **Watch the weather.** Rainstorms don't water in fertilizer; they wash it away. That wastes money and pollutes our water.
- **Skip the phosphorus.** Florida soils are naturally rich in phosphorus. Use phosphorus-based fertilizer only if a soil or plant tissue test turns up a deficiency.
- **Go slow by half.** Nitrogen in our lawn and landscape fertilizers must be at least 50% slow release (also called timed release or controlled release) from Oct. 1 through May 31.

JUNE THROUGH SEPTEMBER

- **Just say no to nitrogen and phosphorus.** Volusia County ordinance bans the use of lawn and landscape fertilizer containing nitrogen or phosphorus from June 1 through Sept. 30.
- **Pump some iron.** Use Florida-friendly yard products that contain iron or other micronutrients to green up your lawn during the summer.
- **Get better dirt.** Give your garden a boost by adding compost, composted cow or chicken manure, perlite, or other soil amendments.
- **Pick better plants.** Florida-friendly landscaping needs less fertilizer, water and overall care – leaving you more time for fun. Ask a sales rep or visit fyn.ifas.ufl.edu to learn more.



Enjoy Florida. It's where you live!



befloridiannow.org

Page 7 of



You've mastered the art of fertilizing like a Floridian. Now you're ready to go all out. After all, our very way of life – boating, fishing, relaxing while sipping drinks with little umbrellas – is at stake.

SEVEN WAYS TO STEP IT UP AND KEEP OUR WATERS FUN

- 1 Test your turf.** Before throwing fertilizer on your yard, do a little research – or you could be throwing money away. If the problem is a pH imbalance, pest invasion or nutrient deficiency, fertilizer isn't going to make a difference. Learn more by calling the University of Florida/Volusia County Extension at 386-822-5778 or visiting volusia.org/fertilizer.
- 2 Fab 15.** Keep fertilizer at least 15 feet away from any body of water.
- 3 Sweep it up.** Whisk any fertilizer granules that fall onto sidewalks, streets or driveways back into the landscaping.
- 4 On your guard.** Use a spreader with a deflector shield or edge guard so you spread fertilizer only where you need it.
- 5 Keep the clippings.** Don't throw grass clippings away; leave them right on your lawn. Clippings can supply up to 50% of the nitrogen your grass needs.
- 6 Mow high.** Mowing too short stresses the turf and makes it vulnerable to disease, pests and drought. St. Augustine grass should be mowed at 3.5 to 4 inches.
- 7 Be Floridian.** What works in other places is silly here in the semitropics. Ask a sales rep about how you can create a Florida yard. Or visit fyn.ifas.ufl.edu for ideas and help.

Enjoy Florida. It's where you live!



befuloridiannow.org
Page 8 of

5 Steps to a Florida Friendly Yard

1. Skip the fertilizer

If you have a lawn, fertilize only in the spring and fall. When you do fertilize, be sure to use at least 50% slow release nitrogen. **SKIP THE PHOSPHOROUS** – Florida's soil already has plenty.

2. Cut the grass

To kick the lawn habit, start small. Replace a corner of your lawn with a bed of shrubs, small trees or ground covers. Or plant that butterfly garden you always wanted.

3. Right plant right place

Florida-friendly plants need little care if you put them in the right spot. Sunny? Soggy? Shady? Florida-friendly plants just need the right home to flourish.

4. Save the water (bill)

Don't water until you can see footprints in your lawn and the leaves of your plants are curling. And make sure your sprinklers aren't watering the sidewalk.

5. Give pesticide a pass

Why dump toxins all over your little piece of paradise? Protect good guys like lady bugs, and give bad bugs the boot by hand-plucking or using non-toxic horticultural sprays.

PROTECT OUR FUN.

Skip the fertilizer this summer.
And save our lagoon
for fun.



Our Partners

Be Floridian Now is co-branded as the east coast version of Tampa Bay Estuary Program's original and brilliant Be Floridian program. The Tampa Bay partners graciously allowed the east coast partners to customize the Be Floridian website for Florida's east coast.



"A City for All Ages"



PROJECT H2O



Marine Resources Council
3275 Dixie Hwy. NE, Palm Bay, FL 32905
(321) 725-7775

PROTECT FUN



SKIP THE
FERTILIZER
THIS SUMMER.

Be Floridian Now

BEFLORIDIANNOW.ORG

Who We Are

You could call us the Florida East Coast Society for Preserving Florida for boating, fishing, and drinks with little umbrellas. Be Floridian Now is calling on all Floridians to help protect what makes Florida so fun. The rules for yard work are a little different here in Florida. We have to be careful not to spoil the reason so many of us enjoy living here.

In Florida, summer rains don't water fertilizer in — they wash it off our lawns and into our rivers, lagoon, and ocean. The excess nitrogen and phosphorus in the water feeds algal blooms that use up oxygen, kill fish and turn the water the color of pea soup. As more and more people move to our area, the problem gets worse. So help us make sure everyone knows to skip the fertilizer this summer. Together, we Floridians can protect our fun by saving our rivers, lakes, and estuaries one yard at a time.

Be Floridian Now

- 1 Skip the lawn fertilizer this summer.
- 2 Only apply fertilizer that has at least 50% slow-release nitrogen.
- 3 Do not apply phosphorus (P) to the lawn without a soil test.
- 4 If applying fertilizer, stay at least 10 feet from a water body.*

**Local ordinances may have larger set-back requirements.*



Online Resources

Yard 911

<http://befloridiannow.org/yard-911/>

Quick Start

<http://befloridiannow.org/quick-start/>

Floridafying

<http://befloridiannow.org/floridafying/>

Homeowner Tool Kit

<http://befloridiannow.org/homeowner-toolkit/>

What's Legal in My City

<https://sites.google.com/site/fertilizeruseintheirwatershed/fertilizer-ordinances>

And gain easy access to links we find super helpful and educational!

<http://befloridiannow.org/links-we-love/>



Program coordinators:
Marine Resources Council
3275 Dixie Hwy. NE,
Palm Bay, FL 32905
(321) 725-7775

B E F L O R I D I A N N O W . O R G