

ATTACHMENT NO. 2

From: [Anderson, David](#)
To: [Ingrid Allen](#)
Subject: RE: TOWN: Sea Turtle Lighting Ordinance Updating
Date: Tuesday, October 25, 2022 10:46:49 AM
Attachments: [image001.png](#)
[image002.png](#)
[image003.png](#)
[image004.png](#)
[image005.png](#)
[image006.png](#)
[image007.png](#)
[image008.png](#)

Hi Ingrid,

Overall a very nice job with the ordinance! I consulted with Dr. Kirt Rusenko and below are some comments. Let me know if you have any questions.

Thank you,

David

Page 2

Sec. 4-8.

(b) Definitions.

“Beach”

Comment: There is really no “permanent” vegetation on the dune. Suggest changing “the line of permanent vegetation” to “the toe of the dune” which has been defined for ordinances. The “permanent vegetation line” is way farther west than the toe of the dune. This might be something that can be used to restrict lighting further inland from the beach.

“Certified wildlife lighting”

Comment: Maybe this part includes the FWC website or at least provide where these lighting choices can be found?

Page 3

“Temporary lighting”

Comment: Include cell phone screens?

“Tinted glass”

Comment: Try for higher tinting, e.g., 15% transmittance, which would also save residents on air conditioning bills. Or maybe 15% transmittance for all windows within 100 feet of the toe of the dune and 45% transmittance for 100 feet beyond of the dune. (Inverse Square Law of Light – light decreases with distance).

Page 4

(d) Lighting restrictions along beach.

Comment: Might this section include skyglow as a source of lighting that illuminates the beach?

(e) Standards for exterior and interior lighting . . .

(1)

Comment: This is great!

Page 5

(3)

Comment: Longer wavelength lighting requires fewer foot-candles at night to adequately light an area. So, after the Illuminating Engineering Society determines proper definitions for scotopic/photopic ratios the required foot-candles may be reduced in the future for beachfront lighting.

(5)

Comment: Similar to comment above, go for 15% transmittance.

Page 8

(j) Existing Exterior and Interior Lighting

(1)

Comment: Nice section! More of a carrot than a stick.

Page 9

(2)

b.

Comment: "Rearrange lamps, TVs, and other . . ."

David Anderson | Sea Turtle Conservation Coordinator

City of Boca Raton, Recreation Services - Gumbo Limbo Nature Center

1801 N. Ocean Blvd., Boca Raton, FL 33432

P 561-544-8614 | manderson@myboca.us

Stay Connected



From: Ingrid Allen <iallen@highlandbeach.us>
Sent: Thursday, October 20, 2022 1:56 PM
To: Anderson, David <MAnderson@ci.boca-raton.fl.us>
Subject: [EXTERNAL] RE: TOWN: Sea Turtle Lighting Ordinance Updating

David:

I appreciate your quick response. Thank you for offering to review the Ordinance. Again, kindly provide any comments and/or support of the Ordinance at your earliest convenience. I will be emailing all interested parties early next week on whether the Ordinance will make the 11-2-22 NRPAB meeting agenda or a future date.



Sincerely,
Ingrid Allen
Town Planner

*Town of Highland Beach
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Highland Beach FL 33487
(561) 278-4540 Office (option 3)
(561) 278-2606 Fax
www.highlandbeach.us*

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From: Anderson, David <MAnderson@ci.boca-raton.fl.us>
Sent: Thursday, October 20, 2022 1:24 PM
To: Ingrid Allen <iallen@highlandbeach.us>
Subject: RE: TOWN: Sea Turtle Lighting Ordinance Updating

Hi Ingrid,

I will be glad to look over the ordinance and provide comments. Unfortunately, I have a meeting at the day and time of the NRPAB meeting. Meanwhile, I will be happy to provide any more info upon request – photos, examples, data, etc. I will reply to the other e-mail as well.

Thank you for reaching out to me.

David

David Anderson | Sea Turtle Conservation Coordinator

City of Boca Raton, Recreation Services - Gumbo Limbo Nature Center

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From: Ingrid Allen <iallen@highlandbeach.us>

Sent: Thursday, October 20, 2022 12:15 PM

To: Anderson, David <MAnderson@ci.boca-raton.fl.us>

Subject: [EXTERNAL] FW: TOWN: Sea Turtle Lighting Ordinance Updating

Mr. Anderson:

Just wanted to follow up on Joanne's email below. Note that the Town's proposed Sea Turtle Ordinance (see attached) is based on the State of Florida Model Lighting Ordinance for Sea Turtle Protection (dated December 17, 2020). As I indicated below, in my initial email to Joanne, the Ordinance was introduced to the Town Commission on 10-18-22. Upon the Commission's review, their direction was to have the Ordinance reviewed by the Town's Natural Resources Preservation Advisory Board (NRPAB) as well as Gumbo Limbo. That said, in addition to your attendance at the NRPAB meeting (tentatively on 11/2/22 at 1:00pm), would you be able to review the Ordinance and kindly provide any comments and/or general support at your earliest convenience? Kindly advise.

Thank you.



Sincerely,
Ingrid Allen
Town Planner

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