Marine Turtle Lighting Ordinance and Public Outreach

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Marine Turtle Lighting Ordinance Timeline

Marine Turtle Nesting Season- March 1 – October 31

• 2005- Broadwalk lighting is approved by DEP/FFWCC
• 2011- City of Hollywood Lighting Ordinance is adopted as a special condition of the City’s 10 year beach nourishment permit
• 2013- City/CRA analyze methodologies to shield/reduce light spillage onto the adjacent marine turtle nesting beach in response to DEP request. Solutions needs to maintaining sufficient light along the Broadwalk for public safety
• 2014- CRA Public Outreach continues on Marine Turtle Lighting Ordinance
• 2015- Lighting Ordinance is effective March 2015
CRA Public Outreach Efforts- 2014

- April 24  Education and Presentation at Hollywood Beach Business Association
- June 12  Education and Presentation at Hollywood Beach Condo and Civic Association in conjunction with Broward County, FFWCC, and lighting vendors
- June – Dec  Sea Turtle Light Display at Hollywood Beach Culture and Community Center
  » Viewed by over **13,000 people**
- July 24  Education and Presentation at Green Team Advisory Board Meeting with Coastal Engineering Consulting
- August 12  Coordinated with HBCA to provide one on one education outreach with condominium association
- August 20  CRA participates in a sea turtle walk (Haulover Park)
- August 25  Education and Internal coordination with CRA and Hollywood Police Department
- August 29  Education and Presentation the Alexander Condominium
- September 23  Education and Presentation the Quadomain Condominium
- October 15  Education and Presentation with the Tides Condominium
- November 14  CRA Board approves a grant application for a $15k matching grant for sea-turtle lights (the Sea Turtle Conservancy)
- November 17  CRA and Code partner with the community for marine turtle lighting audit
- December 14  Education and Presentation The Summit Condo
- December 16  CRA and Code partner with the community for marine turtle lighting audit
CRA Public Outreach Efforts- 2015

- January 12: Coordinated with HBCA outreach announcing marine turtle lighting audit
- January 14: CRA and Code partner with the community for marine turtle lighting audit
- January 29: Education and Presentation CRA and Code spoke at HBBA meeting
- February 16: Internal meeting with CRA and Code
- February 26: CRA and Code partner with the community for marine turtle lighting audit
- March 12: Education and Presentation at HBCA meeting

- 10 community meetings
- 4 night audits
CRA Public Outreach Efforts

- Sea Turtle Conservancy donated marine turtle lighting display (June 2014-Dec 2014) viewed by more than 13,000 citizens, sea campers, classroom students, voters and internal/external meetings. Sea Turtle Conservancy also donated marine turtle collateral, which we distributed to residents and property owners.
CRA Public Outreach Efforts

- Marine Turtle Lighting Night Audits. Very popular and fun. We held 4 night audits to cover 4 areas of Hollywood Beach. Residents came out and help identify possible violators. Attended by both consultant and code officer. Properties were identified and property owners were notified (and currently being notified). Nov. 17, Dec. 16, Jan. 14, Feb. 26.
Examples of non-compliant lighting
Examples of non-compliant lighting
CRA Public Outreach/Nighttime Audit- Feb 2015
Broadwalk Lighting

- Staff has tested various methodologies:
  - Canvas Shields
  - Acrylic Wraps
  - Painted exterior
  - Rubber wrapping
  - Additional internal shields

- All of these must be tested to allow sufficient light on the Broadwalk for public safety while reducing light spillage on to the adjacent marine turtle nesting beach.

- City/CRA Staff worked with Dual colored white/amber LED lights for the light fixtures along N. Surf Road for the full cut off fixtures: DEP requested dual colored led fixtures be re-engineered for the light source to be deeper within the cut off level of the fixture
Examples of canvas shield- recommendation by DEP
Examples of acrylic coated globe light fixtures
Examples of rubber coated globe light fixtures
The City has hired DeRose Design Consultants to assist in a survey of publically owned lighting which needs to be marine turtle compliant
- North Beach and Beach CRA streets that have not had the undergrounding of overhead utilities completed yet
DeRose Design Consultants will perform photometric inspections for evaluation of light levels of areas identified in the audit as non-compliant
Samples of Approved Marine Turtle Lights

Examples of wall mount light fixtures

Examples of ceiling mount light fixtures
Samples of Approved Marine Turtle Lights

Examples of step light fixtures

Examples of pathway light fixtures
Marine Turtle Lighting Compliance is a PROCESS

Marine Turtle Nesting Season- March 1 – October 31

- Educating business owners, property owners, residents and tourists
- Public Safety is a priority
- Satisfying other codes
  - Florida Building Code, Parking lots, Means of egress, Stairwells, Pool decks
- Funding $$$
- Special Events
Code Enforcement

Marine Turtle Nesting Season- March 1 – October 31

• CRA Code Officer will continue public outreach one/night a week coordinating with property owners
  - Meeting with property owners upon request
• Provide general suggestions for how to bring lights into compliance
• Regulatory Procedures
Moving Forward

Marine Turtle Nesting Season- March 1 – October 31

- Continue Education and Public Outreach
  - Contact Property Management
  - Handouts and brochures
  - Websites, emails
  - Local Newspaper
  - Presentations
  - Community Organizations
  - Businesses (Hotels)
- CRA Programs
  - The CRA HIP and PIP programs allow turtle lighting improvements as an eligible expense. The HIP and PIP programs are available to hotels, motels and other commercial establishments. These programs allow reimbursement of a portion of the expense to upgrade lighting
- Get the word out!
Regional Partners

Marine Turtle Nesting Season - March 1 – October 31

- City of Hollywood
- Hollywood Beach Police Department
- Hollywood Code
- Hollywood Beach Civic Association (Frank DiRisi)
- Hollywood Beach Business Association (Debra Case)
- Broward County (Courtney Kiel)
- Florida Fish and Wildlife (Tonya Long)
- Coastal Systems International (Laura Shepard)
- Hollywood Beach Culture and Community Center
- Sea Turtle Conservancy
- STOP
- Hollywood Beach Residents and Business Owners