

CITY OF SATELLITE BEACH, FLORIDA

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INCORPORATED 1957

AGENDA

SUSTAINABILITY BOARD

**SATELLITE BEACH COUNCIL CHAMBERS
565 CASSIA BOULEVARD, SATELLITE BEACH, FL 32937**

**JANUARY 27, 2016
7:00 P.M.**

- 1. CALL TO ORDER BY CHAIRMAN JEFF CHESTINE**
- 2. PLEDGE OF ALLEGIANCE**
- 3. PUBLIC COMMENT**
- 4. PROJECT UPDATES FROM BOARD MEMBERS**
- 5. DISCUSS/TAKE ACTION ON OUTLINE FOR SUSTAINABILITY ASSESSMENT AS SUBMITTED AND PRESENTED BY F.I.T.**
- 6. DISCUSS/TAKE ACTION ON BRANDING ICONS AND DOMAIN NAMES**
- 7. DISCUSS/TAKE ACTION ON CHAIR AND VICE CHAIR POSITIONS**
- 8. ADOPTION OF THE MINUTES: DECEMBER 9, 2015**
- 9. AGENDA ITEMS FOR NEXT MEETING**
- 10. ADJOURNMENT**

NEXT MEETING: FEBRUARY 24, 2016

(One or more Council members may be present at this meeting)

Pursuant to Section 286.0105, FSS, if an individual decides to appeal any decision made by this Sustainability Board with respect to any matter considered at this meeting, a verbatim transcript of the proceedings may be required and the individual may need to insure that a verbatim transcript of the proceedings is made. In accordance with the Americans with Disabilities Act and Section 286.26, FSS, persons with disabilities needing special accommodation to participate in this meeting should contact the City Clerk's office.

City of Satellite Beach Sustainability Assessment Outline
Updated with Sustainability Board edits of Assessment Components, Jan. 20, 2016
Jessica Morse
Florida Institute of Technology

As a component of the initiatives undertaken by the Sustainability Board of the City of Satellite Beach, this outline document presents: a) a draft sustainability assessment hierarchy with categories and subcategories, and b) a draft matrix stratifying these categories by measurement indicators, metrics, priority, timing, and point of contact. This assessment analyzes challenges and opportunities prior to developing a full assessment by the May 2016 due date and is for review by the sustainability board.

This assessment component will highly inform the measurement aspects of the city sustainability plan to be undertaken in 2016. The matrix here is from an earlier draft of assessment structure and will be updated pending consensus from the board on final assessment categories and subcategories.

In addition to the outline materials provided, a literature review is underway that identifies and explores assessment and sustainability planning in local governments across North America. Cities that have done such planning include Pinecrest, Ft. Lauderdale, and Key West, FL; Charleston, SC; and Vancouver, Canada. Each of these cities has similar components in their sustainability planning and the importance of developing practical solutions is explicit.

Prioritization of actions will be important due to the diverse opportunities to expand best management practices, some involving more long term effort than may be initially accounted for. Assessment actions for city sustainability need to be Specific, Measurable, Attainable, Realistic, and Time-bound (SMART).

Highlighting specific indicators, units of measurement, and their relative priorities will be a key component of the assessment structure of the city sustainability plan. We will work with the sustainability board, residents and city staff to build a working assessment structure by early 2016 to then allow final consensus identification and prioritization of indicators and metrics by May 2016.

References:

- http://www.cityofkeywest-fl.gov/egov/documents/1287518677_39276.pdf
- <http://pinecrest-fl.gov/Modules/ShowDocument.aspx?documentid=3812>
- <http://gyr.fortlauderdale.gov/home/showdocument?id=5733>
- <https://sc-charleston.civicplus.com/DocumentCenter/View/1458>
- <http://vancouver.ca/files/cov/greenest-city-2020-action-plan-2015-2020.pdf>

Sustainability Assessment Components

City of Satellite Beach

Draft, Jan 20, 2016

There are currently five primary categories in bold below. Overall, three tiers of hierarchical structure are provided. The fourth tier = metrics, see table for more detail.

Built Environment (Tier 1)

- Municipal Structures (Tier 2)
 - Building integrity (Tier 3)
 - Indoor air quality
 - Certified furnishings
 - Energy accounting (see Energy and Transportation)
 - Resource accounting (water, consumables)
 - Green building certification
- Residential Housing
 - Dwelling Density (units/area, population/unit)
 - Resource accounting (water, consumables)
 - Low Impact development
 - Green building initiatives for additions/renovations
- Local Businesses
 - Energy use
 - Local business diversity
 - Low Impact development (green certified furnishings or buildings)
 - Resource accounting (water, consumables)
 - Green advertising
- Public Spaces
 - Recreational areas
 - Outdoor air quality
 - Noise pollution
 - Light pollution
 - Amenity standards
 - Accessibility
- Community Standards/Policies (2nd tier to be populated with further research)

Land and Water Systems

- Stormwater Runoff
 - Elevation
 - Volumes
 - Nutrients
- Low Impact Landscaping

- Nutrient reduction
- Horticultural chemical reduction
- Water conservation
- Invasive removal
- Coastal Margins
 - Beach and dune
 - Nearshore reef
 - Mangrove fringe
 - Wetlands
 - Quality of open water bottom material (muck quantity)
- Municipal Resource Consumption
 - Waste generation
 - Energy consumption
- Residential Resource Consumption
 - Waste generation
 - Energy consumption
 - Number of old, water-based AC systems
- Business Resource Consumption
 - Waste generation
 - Energy consumption
- Waste and Effluents
 - Wastewater generation
 - Solid waste generation
 - Recycling performance
- Community Standards/Policies (2nd tier to be populated with further research)

Energy and Transportation

- Municipal Energy Use & Consumption
 - Building energy use
 - Solar energy options – credits or quotes for photovoltaic's
 - Fleet energy use – electric golf carts, solar barn; ROIs needed
 - Alternative fuel vehicles owned (e.g., electric, natural gas)
 - Greenhouse gas emissions
 - Electric vehicle stations
- Residential Energy Use & Consumption
 - Insulation efficiency per household
 - Energy sources
 - Renewable energy use
 - Greenhouse gas emissions
 - Electric vehicles owned
- Business Energy Use & Consumption
 - Energy sources
 - Renewable energy use

- Greenhouse gas emissions
- Electric vehicles owned
- Roads
 - Condition
 - Design
- Pedestrian & Bicycle Resources
 - Sidewalk connectivity
 - Bicycle network connectivity (Bike lanes and feeders)
 - Proximity to public spaces (Community destinations)
- Public Transportation
 - Bus stops
 - Proximity to schools
 - Proximity to public spaces
 - Connectivity to other public transit and regional destinations
 - Schedule convenience
 - Bicycle and car sharing
- Community Standards/Policies (2nd tier to be populated)

Community Outreach

- Public Events
 - Recurring events – Founders Day, Ocean Reef Beach Festival
 - Sub-annual events (e.g., Farmers Markets)
 - One-shot events
 - Recycling performance measures (include solar compacter research)
- Education
 - Within existing events
 - Annual educational programs
 - Recreation programs for sustainability
 - Partner with Satellite Beach library
 - City contracts for schools
 - Amount of environmental education in local schools
- Community Garden and Composting
 - School gardens and composting
- Community Standards/Policies (2nd tier pending, perhaps not needed in this category)

Quality of Life

- Senior Residents
 - Community Paramedics Outreach e.g., “Stop by and say hi” program; (sustainability info?)
 - Community Paramedic Program (e.g., in-home evaluations and support, post-hospital discharge monitoring)
 - Medicine recycling
 - Social integration (e.g., Stop-By-And-Say-Hi, 55+ Club)

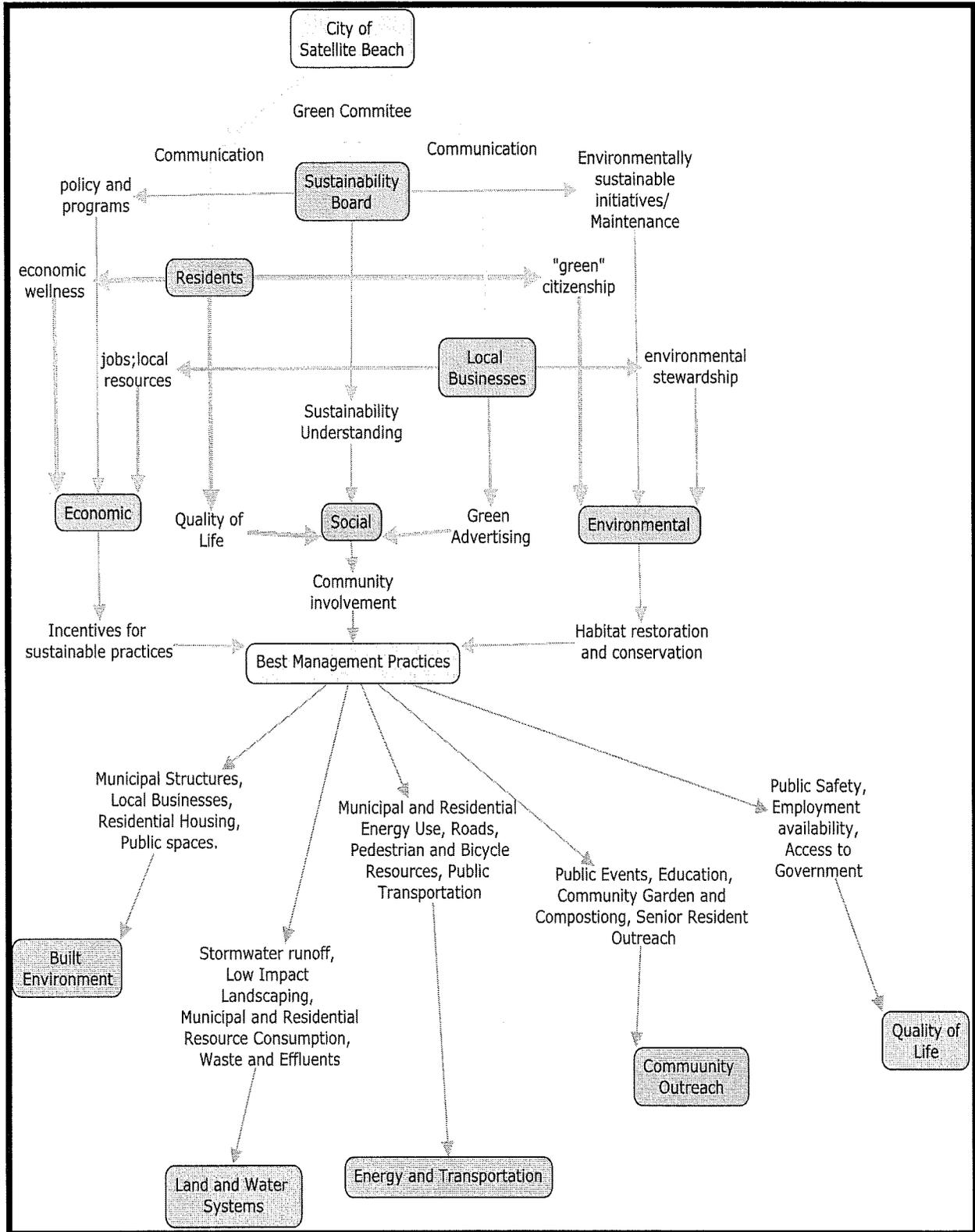
- Transportation
- Handyman support
- Affordability/Cost of living
 - Housing cost
 - Wages
- Employment availability
 - Diversity of employment opportunities
 - Employment rate
 - Average commute
- Public Safety
 - Open water access for boats kayaks on lagoon
- Access to Government
- Community Standards/Policies (2nd tier pending)

DRAFT

Table 1. Assessment matrix - Draft. Summary of assessment features for primary sustainability categories with sub-categories, indicators, metrics, timing, priority, and point of contact. Note: this does not reflect the latest assessment hierarchies on pages 2-4, the final matrix rows will be arranged and populated subsequent to board review of the current draft structure. **DRAFT**

| Categories | Sub-Categories | Indicators | Indicator Description and Metrics | Time Period | Priority | Point of Contact | |
|-------------------|----------------------|--|---|-------------|----------|------------------|--|
| Built Environment | Municipal Structures | Municipal buildings | Total municipal buildings within the City of Satellite Beach; Total number of municipal buildings/hectare. | | | | |
| | | Certified furnishings | Amount of certified furnishings e.g. lights, furniture, flooring etc; certified furnishings/municipal structure. | | | | |
| | | Indoor air quality | Quality of air in indoor spaces; indoor air quality/municipal structure/yr. | | | | |
| | Local Businesses | Local business density | Total number of local businesses versus commercial businesses; Number of local businesses/hectare of land. | | | | |
| | | Certified furnishings | Amount of certified furnishings e.g. lights, furniture, flooring etc; certified furnishings/local business. | | | | |
| | | Indoor air quality | Quality of air in indoor spaces; indoor air quality/local business/yr. | | | | |
| | | Dwelling density with in the City of Satellite Beach | Number of dwelling units within the city; Dwelling unit/total m ² . | | | | |
| | Residential Housing | Certified furnishings | Amount of certified furnishings e.g. lights, furniture, flooring etc; certified furnishings/residential housing unit. | | | | |
| | | Indoor air quality | Quality of air in indoor spaces; indoor air quality/residential housing unit/yr. | | | | |
| | | Recreational Areas | Areas of recreational facilities, e.g. parks, beaches, etc., per 100 residents; m ² /s/100 residents | | | | |
| | Public Spaces | Outdoor air quality | Quality of air in outdoor spaces; outdoor air quality/recreational area/yr. | | | | |
| | | Noise pollution | Number of residents exposed to traffic related noise; Residents. | | | | |

Figure 1. Initial draft of selected city components relative to assessment categories.



**SUSTAINABILITY BOARD
UNAPPROVED REGULAR MEETING MINUTES
DECEMBER 9, 2015**

Pursuant to public notice, Chairman Jeff Chestine convened a regular meeting of the Sustainability Board on Wednesday December 9, 2015, at 6:59 p.m., in the Council Chamber. Committee Members present were Eugene Mathews, Josh Pause, David Vigilotti and Dylan Hansen. Staff Members present were City Manager Courtney Barker, Assistant City Manager Suzanne Sherman and Recording Secretary Julie Finch. Board Members Scott Waymire and John Fergus were not present.

Chairman Jeff Chestine led the Pledge of Allegiance.

(TIME: 6:59 P.M.) PUBLIC COMMENT

No Public Comment

(TIME: 6:59 P.M.) DISCUSS/TAKE ACTION ON THE OUTLINE FOR SUSTAINABILITY ASSESSMENT AS SUBMITTED AND PRESENTED BY F.I.T.

Courtney Barker explained that the assessment outline should be examined and approved by the Board to proceed.

Jessica Morse, F.I.T. intern, gave a brief presentation explaining the tiers and matrix of the outline. She also spoke about the information that needs to be collected for measurement. The Board asked questions and discussed adding/deleting tiers. Board members agreed to send input to Dr. Lindeman and Jessica by January 8th for the next draft.

(TIME: 7:42 P.M.) STAFF UPDATE ON SUSTAINABILITY INITIATIVES

Courtney Barker gave an update on the Roosevelt Street project and said that a water fountain is being proposed as an addition to promote reusable water containers. She suggested that the Board involve community groups to design signs promoting the effort. Members asked about getting water fountains at the beach accesses as well.

(TIME: 7:49 P.M.) PROJECT UPDATES FROM BOARD MEMBERS

David Vigliotti gave a reminder that the "My Brevard Yard" class is \$30 which includes water and soil testing. He also spoke about the Surfrider Foundations' "Friendly Gardens Program."

Jeff Chestine gave an update on his research for the Livable Lawn program and asked for ideas for a program name.

Josh Pause will present some new mock-ups for the logo at the next meeting.

Dylan Hansen talked about a documentary that he is producing on the Indian River Lagoon's past, present, and future.

(TIME: 7:53 P.M.) DISCUSS/TAKE ON BRANDING ITEMS AND DOMAIN NAMES

Item was tabled until next meeting pending more changes.

(TIME: 7:56 P.M.) DISCUSS/TAKE ACTION ON LIVABLE LAWN INFORMATION AND FORMS

Jeff Chestine spoke about his ideas on his Sustainable Lawn Program in regards to how companies can get certified by the Board. There was discussion about the price of soil testing.

**UNAPPROVED REGULAR MEETING MINUTES
DECEMBER 9, 2015**

Rick Fredricksen a local contractor spoke about how many lawns he provides fertilizing for monthly and gave his thoughts on the responsiveness of home owners.

Courtney Barker recommended that the soil testing be a mandatory part of certifying contractors because the main idea of the program is to reduce the amount of fertilizers used in lawn care. She recommended that there be a standard created of lawn contractors to be able to be certified.

The Board asked questions about how this program would thrive and who should be responsible for upholding the rules and regulations of the terms. Board members asked questions about who would be responsible for making sure contractors stayed in compliance with standards.

Rodney Smith spoke to say that he supports the lawn initiative and reminded the Board that the next generation homeowners is who the Board should be appealing too. He thought that the \$10 soil testing will not deter residents in participating and believes it should be a requirement.

Courtney Barker suggested offering a grant program to contractors to enable them to get homeowners to have the soil testing. Rick Fredricksen asked what means of pollution is the biggest contributor to fertilizer getting into the lagoon. Suggestions were made about including a class in the contractor certification program as well.

Ken Lindeman asked several questions about establishing this certification and gave thoughts on how to run the program. He suggested looking into business models with risk management components to base the program around. He recommended that a governing body is created to uphold the standards.

David Vigliotti offered to set up a class with UF/Extension representative; Linda Seals, to conduct a class about lawn care.

Topic was tabled until next meeting until more research is conducted and Attorney Beadle is contacted about possible legal issues.

(TIME: 8:52 P.M.) ADOPTION OF THE MINUTES: SEPTEMBER 23 AND OCTOBER 28, 2015

ACTION: Committee Member Pause MOVED, SECOND by Committee Member Mathews to adopt the minutes. VOTE: ALL YES. MOTION CARRIED.

(TIME: 8:52 P.M.) ADJOURNMENT

Next meeting: January 27, 2016.

Julie Finch

Recording Secretary