Call of Order/ Roll Call
The meeting was called to order by Chair Liechty at 6:15 p.m. The roll was called and it was determined a quorum was present. Ms. Mazza arrived at 6:32 p.m.
New member Owen Cylke introduced himself to the Board.

**Approval of the Meeting Minutes**
The meeting minutes for June 26, 2017 were introduced. A motion was made to approve the minutes by Vice Chair Clark and seconded by Mr. Meade. In a voice vote, the motion passed unanimously.

**Staff Liaison Report**

**SAB Meetings Notice**
Ms. Nicholas announced that the City’s advisory board and committee meetings, SAB included, will now be added to the event calendar on the City’s website.

**Quarterly Tree Giveaway Briefing**
Ms. Nicholas reported that the City tree giveaway held on Saturday, July 22nd at Holiday Park was a success. The new Urban Forester, Mark Williams, reported 670 trees were distributed which was a substantial increase from any tree giveaway in the previous year.

**Sustainable Median Project Status Update**
Ms. Nicholas advised the Board that an update on the Sustainable Median Pilot Project can be expected from Parks & Recreation in the fall.

**Presentation**

**Infrastructure Task Force Summary**
Alan Dodd, Deputy Director of Public Works provided the Board with an overview of the purpose, composition, and objectives of the Infrastructure Task Force as outlined in Resolution No. 17-46 (attached). Meetings of the Task Force are typically held once a month, some of which may be televised, until the task force expires in August 2018. Key highlights during the discussion are outlined below.

Chair Liechty asked how the SAB can effectively interact with the Task Force to which Mr. Dodd explained that the task force is relatively new and will be open to public input.

Mr. Meade asked if the task force objectives include new infrastructure to which Mr. Dodd responded it will cover all facilities.

Ms. Mazza asked whether the task force will be addressing the water and sewer emergency infrastructure issue currently faced by the City to which Mr. Dodd explained they were briefed on the situation but that their focus will be on longer term infrastructure needs.
Ms. Wood asked if the task force will consider input related to updating stormwater systems. Mr. Dodd explained that this is outside their purview. She then asked how trash pollution of the water systems in the City will be handled. Mr. Dodd explained that trash is managed by Parks and Recreation; however, Public Works Engineering recently assumed responsibility for operation of the City’s street sweepers to minimize pollution of storm drains by soil and sediments.

Mr. Dodd also mentioned that the City’s recently established Engineering Community of Practice, once implemented, will promote more interdepartmental collaboration.

**Presentation:**

**Energy Efficiency in City Facilities**

Ann Livingston, Principal Planner in Sustainability and Matt Ferrer, Energy Analyst, presented to the Board on energy efficiency in City facilities highlighting the City’s goal of a 20% reduction in energy by 2020. The presentation covered the following topics (for additional details, see full presentation attached):

- Tracking of electricity usage in the City’s 600 plus electricity accounts with a focus on 120 of the largest energy users;
- Comparison of energy consumption by sector and in four touchstone buildings over a seven year period;
- Development of the City’s Energy Management Plan and participation in the Better Buildings Challenge;
- Progress of energy performance contracts, reviewing each project scope, retrofits completed, and expected savings;
- Implementation of Heat Maps for more detailed analysis of electricity usage at City buildings; and
- Additional efforts underway to reduce energy usage.

In response to some questions from the Board, the following answers were provided:

- The scores generated by Portfolio Manager which measures energy usage per square foot have not been used so far because of data limitations, such as multiple buildings and types of usages on a single meter.
- Opportunities for energy savings consider a number of factors to include, but not limited to, kilowatt hours used, age of system, occupancy level, hours of operation, etc.
- Energy Service Companies may provide guaranteed savings, as outlined in their contracts, equivalent to the total project cost.
- Colors displayed on the Heat Maps show energy use intensity with red representing high energy consumption and green representing the lowest.
- Piers and docks account for only 2% of the City’s energy usage by sector; therefore, they haven’t been analyzed to the same extent as high energy
consumption use types.

Old Business

Our Central Park Initiative

A representative from the Flagler Village Civic Association, Michelle Nunziata, provided the Board with an update on the Our Central Park initiative explaining that the status of converting the One Stop Shop location into a park is still pending. She indicated that the space is being considered for a number of alternative projects by Commission, though none has yet to be confirmed. In the interim, Flagler Village intends to work with the City’s Neighbor Support office to organize a clean-up event which may include a mural to make the location more esthetically appealing.

Proposed Communications

In preparation for the SAB meeting in August, the Board was asked to review the provided SAB Communication Master List for discussion.

Comment

Mr. Meade mentioned that the City’s Code Compliance has recently hired more officers and the Board may want to have further conversations regarding the enforcement of sea turtle lighting.

Ms. Mazza asked if the Board is interested in a presentation on the results of the Comprehensive Utility Strategic Master Plan to which Vice Chair Clark recommended that the Board should first review the plan. Ms. Nicholas will include link to plan in the next Information Exchange.

The Board questioned if an update of the Sustainability Action Plan is possible for the next meeting to which Mr. Hadwen explained not at this time due to staffing.

Items for Next Meeting

August Meeting (Chair Liechty will not be in attendance)

— Presentation: Connecting the Blocks Program
— Old Business: Comprehensive Utility Strategic Master Plan Discussion
— Proposed Communications: Past Communications Discussion

Upcoming Events

— Household Hazardous Waste Event will take place at Mills Pond Park on July 29th
— 9th Annual Southeast Florida Regional Climate Leadership Summit scheduled for December 14th – 15th; registration link to be included in Information Exchange.
— USGBC Florida Gala Verde takes place on October 14, 2017
Adjournment
A motion was made by Ms. Wood, and seconded by Mr. Meade to adjourn the meeting at 8:15 p.m. In a voice vote, the motion passed unanimously.
RESOLUTION NO. 17-46

A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF FORT LAUDERDALE, FLORIDA, CREATING AN ADVISORY COMMITTEE TO BE KNOWN AS THE INFRASTRUCTURE TASK FORCE; PROVIDING FOR MEMBERSHIP QUALIFICATIONS AND LENGTH OF TERM; AND PROVIDING FOR THE PURPOSE AND DUTIES OF SUCH COMMITTEE.

WHEREAS, the City Commission and citizens of the City of Fort Lauderdale have expressed concern about the City’s aging infrastructure, the timetable for its repair and replacement as well as the associated cost; and

WHEREAS, at its meeting of February 7, 2017, the City Commission requested that a task force be formed to review and examine the condition and needs of the City’s infrastructure and to prepare a report with recommendations to the City Commission regarding infrastructure improvement priorities and financing alternatives; and

WHEREAS, the City Commission wishes to appoint members to said task force to serve for a limited period;

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF FORT LAUDERDALE, FLORIDA:

SECTION 1. That there is hereby established the Infrastructure Task Force of the City of Fort Lauderdale, Florida.

SECTION 2. Purpose and Duties.

That the purpose and duties of the Infrastructure Task Force shall be as follows:

A. To review existing City infrastructure, including, but not limited to: roads, sidewalks, airports, seawalls, water and wastewater distribution and collection systems, treatment plants, well fields, parks and all City facilities and structures and examine their current condition; and

B. To review and identify the repair or replacement as well as review and identify funding sources and financing alternatives for those infrastructure improvements; and
RESOLUTION NO. 17-46

C. To receive input from members of the public interested in infrastructure improvements within the City; and

D. To provide a report with recommendations to the City Commission regarding improvement priorities as well as financing alternatives for said improvements.

SECTION 3. Membership.

A. That the Infrastructure Task Force shall consist of nine (9) members appointed by resolution of the City Commission, who shall serve without compensation at the pleasure of the City Commission. The task force shall be comprised of the following:

1. Each member shall be a resident and property owner in the City of Fort Lauderdale;
2. Chairperson of the Planning and Zoning Board;
3. Chairperson of the Budget Advisory Board;
4. One member selected by the Fort Lauderdale Council of Civic Associations;
5. One member selected by the Fort Lauderdale Chamber of Commerce; and
6. One member selected by the Mayor and by each of the four District Commissioners, one of which shall have a background in civil engineering and one of which shall have a background in public finance.

B. Each member will serve a term of appointment that shall expire concurrently with the termination of the task force or eighteen (18) months from the date of appointment, whichever occurs first.

SECTION 4. That the Infrastructure Task Force shall meet at Fort Lauderdale City Hall at such times as determined by the Committee. The following shall apply to meetings held by the Task Force:

A. At its first meeting, the Task Force shall select its own chairperson and vice-chairperson from its members.

B. The Task Force shall adopt rules or procedure for the conduct of its meetings.

C. A majority of the appointed members shall constitute a quorum.
SECTION 5. The above appointments shall take effect immediately upon passage and adoption of this resolution.

SECTION 6. That the Infrastructure Task Force shall commence on the date this Resolution is adopted and shall terminate in eighteen (18) months from the date of adoption of this resolution.

ADOPTED this the 7th day of March, 2017.

Mayor
JOHN P. "JACK" SEILER

ATTEST:

City Clerk
JEFFREY A. MODARELLI
RESOLUTION NO. 17-96

A RESOLUTION OF THE CITY COMMISSION OF THE CITY OF FORT LAUDERDALE, FLORIDA, AMENDING RESOLUTION NO. 17-46 TO AUTHORIZE A DESIGNATED BOARD MEMBER OF THE PLANNING AND ZONING BOARD AND THE BUDGET ADVISORY BOARD TO SERVE IN LIEU OF THE CHAIRPERSON; PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, Resolution No. 17-46 Section 3, designates the Chairperson of the Planning and Zoning Board and the Chairperson of the Budget Advisory Board to serve as members of the Infrastructure Task Force; and

WHEREAS, the Chairperson of both or either board may be unable to serve as a member of the Infrastructure Task Force; and

WHEREAS, the intention was to have both the Planning and Zoning Board and the Budget Advisory Board represented on the Infrastructure Task Force; and

WHEREAS, it is desired that the Infrastructure Task Force membership be fully represented as intended by Resolution No. 17-46;

NOW, THEREFORE, BE IT RESOLVED BY THE CITY COMMISSION OF THE CITY OF FORT LAUDERDALE, FLORIDA:

SECTION 1. That Section 3. Membership of Resolution No. 17-46 be amended as follows;

2. Chairperson or other board member as designated by the of the Planning and Zoning Board;

3. Chairperson or other board member as designated by the of the Budget Advisory Board;
SECTION 2. That this Resolution shall be in full force and effect upon its adoption.

ADOPTED this the 2nd day of May, 2017

[Signature]
Mayor
JOHN P. "JACK" SEILER

ATTEST:

[Signature]
City Clerk
JEFFREY A. MODARELLI
Energy Efficiency:
City of Fort Lauderdale Facilities

July 24, 2017
Ann Livingston, Principal Planner in Sustainability
Matt Ferrer, Energy Analyst

Energy Goals
- City Plans
  - Vision Plan: Fast Forward Fort Lauderdale 2035
  - Strategic Plan: Press Play 2018
  - Sustainability Action Plan
- Reduce Electricity Use 20% BY 2020

Energy Analysis To Date
- Data clean up
- Annual reporting for all 600+ accounts
- Energy Star Portfolio Manager
  - Tracking
  - Reporting
- Large Accounts Monthly Reports
  - 120 largest accounts
  - Month to month and year to year
  - Priority buildings
- Heat maps to show energy use intensity
- Bill and rate analysis

Monthly Report Overview
- Monthly report for our top 120 electricity accounts
- Represents 93% of our total kWh consumption
- Helps us track:
  - Largest buildings and accounts
  - Compare progress toward 20% by 2020 goal
  - Identify anomalies or spikes in electricity consumption
- Compares:
  - Consecutive month to month (e.g., May 2017 to June 2017)
  - Annual month to month (e.g., June 2016 to June 2017)
  - Full annual to annual (e.g., 2010 to rolling annual)
Large Accounts: Progress to Goal

- Annual Total kWh for Large Accounts.
- 2010 to 2016: 2.96% decrease
- 2010 to Rolling: 3.15% decrease

Touchstone Buildings

- Transportation and Mobility (TAM) Administration Building
- Police Headquarters
- City Hall
- Department of Sustainable Development

City Hall

- City Hall - June kWh

Dept of Sustainable Development

- DSD - June kWh
Better Buildings Challenge

- Commitment of 20% by 2020
- Portfolio Manager Integration
- Pursue Energy Star Rating
- National Recognition and Resources
- Showcase Project

Energy Performance Contracting

- Benefits of EPC
- Four awards
  - Honeywell
  - ConEdison
  - Siemens
  - Opterra
- Honeywell is nearly complete
- ConEdison and Siemens are nearing contracting
- Honeywell and ConEdison combined should reduce 2010 kWh consumption by over 3.5%

Non-energy Benefits of EPC & EE

- LED upgrades at parking garages
  - Performing Arts Center Garage (PACA)
  - City Park
  - City Hall
- Upgrades at TAM Admin Building

TAM Energy Upgrades

- 20% by 2020
• 52% Reduction in Electricity Use (March-July 2017)
• 32% kWh Reduction 2010 to Rolling (July)

City Park Garage: Monthly kWh

City Park Garage: Monthly Savings

47% Reduction in Energy Costs (March-July 2017)

PACA Garage: LED Impacts

• Jan v. June bills: 64% reduction in electricity and 53% cost savings
• 2010 to Rolling (June)—33% kWh reduction

290 NE 3rd Ave: Progress to Goal

Despite increased staff and building aging—Stable kWh from 2010
TAM Building: 290 NE 3rd Ave

- Energy Performance Contracting Model
- Work completed (4/09-5/08):
  - LED lighting upgrades
  - HVAC replacements (2)
  - HVAC maintenance (2)
  - Building envelope
- Results:
  - Reduction in electricity consumption to date
  - 12% June Bill 2016-2017
  - 16% July Bill 2016-2017
  - More savings anticipated

TAM Accounts 2010-Rolling

- 2010-2016: +3.93%
- 2016-Rolling: -11.12%
- 2010-Rolling: -7.63%

DOE Assisted Energy Plan

- Plan to achieve 20% by 2020 goal in buildings sector
- Short, medium, and long term strategies
- Analyze:
  - kWh savings
  - Costs
  - ROI
  - Financing options
  - Risks and feasibility
  - M&V
  - Progress towards goal
- Model for future plans for City
- Replicability
Electricity Use by Sector

Other Internal Efforts Underway

- Budget proposals for FY 2018
  - Programmable thermostats
  - Software
- Internal collaborations
  - Parks and Recreation
  - Engineering
  - Transportation and Mobility
  - Department of Sustainable Development
- Procurement specifications and policies
- Employee engagement and trainings

Questions or Ideas?
Contact:
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Matt Ferrer, Energy Analyst
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