

**Keep Winter Park Beautiful &
Sustainable Advisory Board**



January 17, 2017 at 11:30 AM

Chapman Room / City Hall
401 Park Ave S. / Winter Park, Florida

1: Administrative

a. Approval of Minutes

December 2016 KWPB Minutes

b. Citizen Comments

Limited to 3 minutes per person

c. Staff Report

Emailed monthly along with agenda and minutes. This time may be used to request more information on individual items

January 2017 Staff Report

2: Action

3: Informational

a. Green Minute

Share a personal story about sustainability

b. KWPB - Status report KWPB

Status Report from KWPB

c. Sustainability Action Plan

Status Report from SAP

d. Finance

Status Report from Finance

e. Benchmarking and Disclosure

Chris Castro, Orlando Director of Sustainability, will share background, strategies, and lessons learned for their recently adopted Building Energy and Water Efficiency Strategy Ordinance.

f. Sustainability Action Plan Review

The Keep Winter Park Beautiful and Sustainable Advisory Board will conduct a review of the Sustainability Action Plan, and to assess projects under the plan for 2017

4: New Business

a. Agenda Requests and/or announcements

5: Adjourn

a. Action Items:

Review action Items identified during meeting.

b. Evaluate Meeting:

What worked? Didn't work?

c. Next Meetings:

Appeals and Assistance

"If a person decides to appeal any decision made by the Commission with respect to any matter considered at such meeting or hearing, he/she will need a record of the proceedings, and that, for such purpose, he/she 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." (F.S. 286.0105)

"Persons with disabilities needing assistance to participate in any of these proceedings should contact the City Clerk's Office (407-599-3277) at least 48 hours in advance of the meeting."

Meeting Protocol

The protocol described below is used to conduct an orderly meeting of the Keep Winter Park Beautiful and Sustainable Advisory Board. It is the Chair's option to follow or deviate from these guidelines during any meeting of the Board.

- Agenda item is brought up by Chair;
- Chair recognizes the staff for department input;

- Staff will present the item and state department recommendation if appropriate;

- The staff or Board Chair may recognize the individual or group requesting the action and present the opportunity to address the Board and present the details of their request. This presentation should be brief (3-5 minutes)

- The Chair will recognize the Board members and provide an opportunity for questions from the item sponsor or department staff;

- The Chair will entertain any motion from the Board regarding the agenda item;

- Once the item has been motioned and received a second, the Chair will ask if there is any public comment about the issue. (Public comment comes before the Board discusses the motion.) Public comment will be held to 3 minutes each;

- The public comments are closed by the Chair once all citizens who wish to speak have been given an opportunity;

- The Chair will recognize the Board members for discussion of the motion. Any Board member may address a question to the sponsor, to the department staff or to a citizen if appropriate;

- Once there is no further discussion, or if the Question has been called (debated and voted affirmative), then the Chair will request the Board moves to a vote.

**THE CITY OF WINTER PARK
KEEP WINTER PARK BEAUTIFUL AND SUSTAINABLE**

Regular Meeting
City Hall, 401 Park Ave. S.

December 8, 2016
11:45am

MINUTES

Present: Bruce Thomas, Stephen Pategas, Sally Miller, Mary Dipboye, Ellen Wolfson, Bill Heagey

Absent: Ben Ellis

City of Winter Park Staff: Kris Stenger, Building & Sustainability Manager, Abby Gulden, Permitting and Sustainability Coordinator

Guests: Jody Lazar, Winter Park Library
Gabby Lothrop, Gather &

CALL TO ORDER: Chair Thomas called the meeting to order at 11:45 a.m.

1. ADMINISTRATIVE ITEMS

Approval of Minutes

Chair Thomas asked for approval of the November 17, 2016, minutes, S. Pategas moved to approve the minutes as presented; B. Heagey seconded the motion; motion carried unanimously.

Citizen Comments:

None

Staff Report:

Staff report was emailed to board members. Staff responded to questions. Discussion and update on status of PACE in Winter Park and Orange County. Overview of new Waste Contractor registration and reporting procedures. The Sustainability Action Plan workshop will occur within the regular scheduled meeting in January, along with a Benchmarking and Disclosure overview from Chris Castro of Orlando's sustainability office.

2. ACTION

3. INFORMATIONAL

a. Green Minute

M. Dipboye updated the board regarding the recent Central FL solar co-op registrations

b. SNAP at Winter Park Farmers Market

Overview and discussion regarding the history, structure, and rollout of the SNAP/EBT acceptance program "No Cash No Problem". Presentation from Gabby Lothrop of Gather& who will be administering the program

c. KWPB – Status Report KWPB&S

Status Report from KWPB&S - Mr. Pategas reported that the Winter Park Blooms committee is in the planning phase in anticipation of the 2017 judging schedule. Previous judging recommendations have been reviewed and several chosen for implementation.

KWPB&S Sponsorship – Ms. Gulden reviewed the sponsorship program. She responded to questions. The Board discussed potential sponsors and Board contacting them. Chm. Thomas assigned companies to each board member for sponsorship outreach.

d. Sustainability Action Plan

Ms. Gulden is beginning to draft the annual report for presentation to the City Commission in 2017. Sally Miller will serve as board point person for SAP items.

e. Finance

Continued review and discussion of 2017 budget items, with special regards to Recycling Education budget. It was determined that more review is needed and there will be no action taken at this time.

4. NEW BUSINESS

a. Agenda Requests/Announcements/Action Items

S. Miller requests recycling education initiative as topic for future meeting. Determination made to wait until reporting from Waste Pro is received. Request made to add additional staff to assist with tracking and reporting

5. ADJOURNMENT

a. Action Items

b. Evaluate Meeting

- What worked:
- What didn't work:

Staff will review possible meeting options.

Chm. Thomas adjourned the meeting at 1:17 p.m. Next meeting January 17, 11:30am at City Hall

Respectfully submitted,

Abby Gulden
Recording Secretary



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Focus Area	Topic	Status Update	Next Steps
Sustainability	Sustainability Action Plan	<ol style="list-style-type: none"> 1. Identified actionable items for 2016-2017 and prioritized 	<ol style="list-style-type: none"> 1. Assign lead positions on priority items to board members at January workshop
	Solid Waste Contract	Rollout of bins has completed!	<ol style="list-style-type: none"> 1. Residential bin labels finalized- Recycle Across America 2. Assessing options for provision of standardized labels to businesses and private schools. Public schools are being provided by OCPS and Bank of America
	Grants	<ol style="list-style-type: none"> 1. Winter Park Health Foundation 2. 16/17 KAB/FDOT 	<ol style="list-style-type: none"> 1. Gather and Grow, LLC is new 3rd party vendor for Audubon and Winter Park farmers markets. Application for EBT machine has been approved. Fresh Access Bucks application approved. Program to launch February 5th 2. 16-17 grant cycle application has been approved. includes projects for cigarette receptacle placement on center st, recycling bin placement grants at schools and businesses, and wide distribution of RAA labels
	WPHS	<ol style="list-style-type: none"> 1. IDEAS4US chapter 	Ongoing partnership on projects
	Bike Share	WP is piggybacking on City of Orlando contract	<p>Locations have been chosen and are being coordinated by public works. Signage is being evaluated by Planning and Zoning and is currently main impediment to Sunrail station location, in addition to vendor ordinances for Central Park.</p> <p>Valencia has installed a station at the Winter Park campus.</p>
	Household Hazardous Waste	Next event will be April 22, 2017	
	Electric Vehicles	No new units will be installed at this time	Sunrail chargepoint unit is disconnected from Chargepoint service. Researching feasibility of switching this unit out for better reporting
	Solar	Community Solar- we have an action	Evaluating programs and considering alternative structures or potential for



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		plan drafted to roll out a small scale pilot	going out to bid to reduce Kwh price SolSmart application underway. http://www.seia.org/act-now/help-your-community-become-solsmart Estimated to achieve Bronze designation by February 2017. Joint application for a SOLSMART advisor in coordination with City of Orlando and FSEC has been submitted
	WPE Conservation Program	FY 16-17 will be funded at \$50,000.	<ol style="list-style-type: none"> 1. Contracts with Ferran Services who provides services for energy audits. 2. Kits and LED coupons from millers hardware
	PACE	Working with Orange County Property Appraiser to roll out wide scale program 2017	Winter park: No. of applications to date: 4 Projects funded: 1 for \$13,134
	Food Policy Council/ Urban Agriculture	Abby has joined the Food Policy Council on Behalf of City of WP	Assigned to Chair Community Outreach/Education Subcommittee WP Farmers Market will be one of 2 FM in Orange County to accept SNAP and EBT, bringing food access as well as economic benefit. Consultant engaged to facilitate process. Inclusion of food topics for comprehensive plan update have been submitted
	Organics collection	Compost Orlando is expanding to WP	Pilot focused on Park Ave/Rollins. Composters have been purchased and pick up coupons valid on HHW day will be given away at April HHW day
	Green Business Certification	Central FL Workplace Challenge	Central FL Workplace Challenge 2016 has concluded!
Beautification	America In Bloom	WP Blooms presented category award for overall impression-	We won Outstanding Achievement award for historic preservation! WELCOME TO THE CIRCLE OF CHAMPIONS
	Volunteer Activities	\$10,000 from Lakes Dept for supplies, in return for Watershed cleanups and assistance with NPDES permit tracking. This funding has been	Volunteer T-shirts available <ol style="list-style-type: none"> 1. 2017 schedule-

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		secured for FY16-17	<p>Lake Sue and Chelton – January 28 .</p> <p>Lake Killarney – February 25 – Knights of Service</p> <p>Lake Bell and Lake Wilderness- April 1</p> <p>Lake Forest and Lake Grace –July 29 -</p> <p>Lake Midget and Lake Rose– October 7</p> <p>Lake Knowles- Invasive species removals (as needed)</p> <p>2. Continue supplies for groups</p>
	Outreach	Table @ Farmers Market on Saturdays in March and April	Community volunteer and board member- sell bricks, advertise KWPB and SAP, Earth Day, and WP Blooms. Selling caladium bulbs in March and April
Fundraising	Benches	Administered by Parks and Rec	
	Dance Lessons	Administered by KWPB	Increase advertisement
	Bricks	Administered by KWPB	Review for 2016- Increase advertisement
	Earth Day	2016 successful, within \$100 of breaking even. Project 2017 to be a money making year.	Strategy and subcommittee for 2017 needs to get started in August or September. Sponsorship and fundraising are KWPB board member responsibilities
	WP Garden Club		Has donated \$1000 for 2015-2016 Green School Grants. Abby to go to a meeting to report on grant projects
	Community Solar		Potential Revenue Source similar to OUC where “green energy” would be purchased at a small premium. CIP project proposal has been submitted. Application submitted for SolSmart Community designation and intern
	Utility “Round Up” Program		Account holders could “round up” their bill to the nearest dollar and the change would go to energy efficiency projects, sustainability initiatives,



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			and the conservation program
	General Fund		Request for Earth Day events funds is approved for 2016-2017 FY



Agenda Item Summary

Sustainability Action Plan Review -

The Keep Winter Park Beautiful and Sustainable Advisory Board will conduct a review of the Sustainability Action Plan, and to assess projects under the plan for 2017

Summary:

See 2016 SAP Annual Report DRAFT Attached

ATTACHMENTS:

Description	Upload Date	Type
DRAFT 2016 Annual Report	1/11/2017	Backup Material



2016 Sustainability Report

Presented by:

City of Winter Park's Keep Winter Park Beautiful & Sustainable Advisory Board

Kris Stenger, Director of Building, Permitting, & Sustainability

Abby Gulden, Sustainability and Permitting Coordinator

FORWARD

The City of Winter Park Sustainability Office was originally created in 2009 to research and recommend improvements concerning Green Local Government Certification, which the City earned at the Gold level in 2011. The Sustainability Office was then given the appointment to reflect the City's leadership in energy and environmental awareness.

Led by the Keep Winter Park Beautiful & Sustainable Advisory Board, the city's first Sustainability Action Plan (SAP) is a collaborative effort involving the entire community. The plan was adopted by unanimous vote of the City Commission on February 9, 2015.

The purpose of the SAP is to create a roadmap depicting where the city is today and where it would like to be in the future, in regard to sustainability. It is divided into seven categories, long term objectives and short term actions for helping the city achieve these long term objectives. The objectives are intended to be quantifiable so that progress can be measured on an annual basis and reported to decision makers and stakeholders. A collaborative, integrated approach is necessary for working toward meeting the objectives outlined in the program. The plan is a living document intended to evolve over time as Winter Park experiences both progress and challenges.

This report is the second annual report of the Sustainability Action Plan. It provides a review of city activities and programs that are taking place now, and provides an outline regarding sustainability related considerations as the City moves forward.

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 - a. KWPB 2016 Budget Spreadsheet

Executive Summary

- **Community Engagement and Green Economy:** The City of Winter Park has year-round programs when it comes to providing educational and volunteer opportunities for keeping our city clean and green. Many of our own departments offer education and awareness from home energy-efficiency audits (provided by the city's Sustainability Office) to the multiple Watershed Litter cleanup events throughout the year.
- **Waste And Recycling:** The recent integration of sustainability into the Waste Collection contract will be instrumental in breaking through the 15% diversion rate and continuing progress toward the state of Florida 75% diversion rate goal that was set for 2020. KWPB and sustainability staff are also committed to continuing as the go to resource for commercial and residential recycling education.
- **Mobility and Urban Form:** The City of Winter Park Public Works Department funded the logistics design of a bicycle wayfinding system to direct cyclists throughout the city limits of Winter Park. A pilot project for a portion of the bicycle wayfinding system will be implemented in early 2017. This signed wayfinding route will connect the Cady Way Trail to the Mead Botanical Gardens. The Transportation Advisory Board advised heavily on the wayfinding project, and has stated support for the goal of the City of Winter Park to seek a Best Workplaces for Commuters designation as a priority goal for 2017.
- **Buildings, Energy, and Water:** With reduction strategies firmly in place, the goal consumer education will continue. Research, design, and execution of programs that support the increase of production of solar energy, both in the municipal and residential sectors, will be a main focus for 2017.
- **Natural Resources and systems:** This past year, the Lakes division completed several significant projects and maintenance events which will continue to improve water quality within the city lakes and waterways.
- **Local Food and Agriculture:** Through a grant with Healthy Central Florida, the City of Winter Park is working with two other local Farmers Markets to create the first organized SNAP acceptance program in Central Florida.
- **Local Government Operations:** 2016 saw the formation of an employee driven Green Team. It is the initial goal of the green team to use the day-to-day operational knowledge of these staff members to create a list of short, medium, and longer term goals for projects that will have a monetary benefit to the city, with a primary focus on energy, water, and waste reduction.

City of Winter Park Guiding Commitments

By integrating elements of this plan, Winter Park will:

- Increase the quality of life while improving individual and community health.
- Become more energy independent.
- Protect and enhance air quality, water quality, and natural systems.
- Save money.
- Increase economic value.

It is the intention of this document to provide high level objectives that are conceptually approved by the City Commission and leadership. The actions listed under each category are put forth as possible avenues for achievement of the approved goals, and do not represent required or prescriptive measures.

Community Engagement & Green Economy

	Indicator	2012 Baseline	2015	2020 Target	2030 Target
CEGE1	City wide Carbon Footprint in GHG Emissions (electric, transportation, solid waste)	397,075	Not Measured at this interval	25% less	50% less
CEGE2	Recognized Green Businesses	0	9	25 % recognized businesses	50% recognized businesses
CEGE3	Residents taking the Sustainability Pledge	0	36	50%	100%
CEGE4	Green School Grant Applications	10	5	50%	100%
CEGE5	KWPB Volunteer Events	12	13	12	12

2017 Projects

Develop interactive sustainability webpage that allows individuals to take Sustainability Pledge, calculate their carbon footprint, organizations to post environmental volunteer opportunities, and share success stories.

Develop Marketing Plan for Sustainability.

Continue Green School Grant program.

Create and install Environmental Education opportunities at parks and green buildings.

Continue participation in America In Bloom/ Winter Park Blooms.

Continue volunteer opportunities including lake cleanups, gardening, and invasive species removal.

2016 Project Status	Status
Develop Marketing Plan for Sustainability.	In Progress
Continue Green School Grant program.	Complete
Explore funding options for maintenance and upkeep of existing Pocket Parks and Community Gardens	Program Suspended
Facilitate sustainability education workshops	Program Suspended
Continue participation in America In Bloom/ Winter Park Blooms.	Complete
Continue volunteer opportunities including lake cleanups, gardening, and invasive species removal.	Complete

The City of Winter Park has year-round programs when it comes to providing educational and volunteer opportunities for keeping our city clean and green.

Great American Cleanup: an annual event from March to May when citizens come together to clean up and beautify the streets and lakes of Winter Park, supplies provided by KWPB.

Earth Day in the Park: The City's Office of Sustainability invites all city departments to participate in the Earth Day Fair, this allows the participants to come together in one place as a city unit to educate and make residents aware of the city now and in the future. Schools from the elementary level to High School compete for Green School Grants, which are awarded on Earth Day by the Mayor in support of eco-friendly projects such as butterfly gardens, vegetable gardens, and on site composting programs .



The City of Winter Park partnered with Green Destination Orlando, City of Orlando, and Orange County to launch the 2016 Central Florida Workplace Challenge, where local businesses were challenged to create a more green, healthy, and involved workplace in a friendly competition with other businesses, and increasing the number of recognized green businesses in Winter Park in 2016.



The City of Winter Park was a 2016 recipient of the America in Bloom Outstanding Achievement Award in the Heritage Preservation category, which welcomed

Winter Park into the America in Bloom "Circle of Champions". America in Bloom promotes nationwide beautification through education and community involvement by encouraging the use of flowers, plants, trees, and other

environmental and lifestyle enhancements. The first annual City of

Winter Park Volunteer Appreciation event was held at Casa Feliz in 2016, where individuals young and old from various organizations in Winter Park were given awards for their volunteerism.

Waste Diversion & Recycling

Category	Indicator	2012 Baseline	2015	2020 Target	2030 Target	
Waste Diversion & Recycling	WDR1	Waste diverted from landfill	15%	15%	75% (state goal)	90%
	WDR2	Total tons of solid waste generated	11,594	11,684	10% less	25 % less
	WDR3	GHG emissions from solid waste (calculated as 3.45 tons of CO2 per ton of waste generated)	39,999	40,310	40% less	75% less

2016 Project Status	Status
Evaluate City Waste Contract for provision of single stream recycling carts to all residential customers, frequency of waste collection service, and Pay As You Throw model.	Complete
Evaluate residential and commercial recycling incentive rewards programs	In Progress
Evaluate requirement for commercial and multifamily recycling service	Complete
Promote Commercial, Multi-Family and Construction & Debris recycling case studies.	In Progress
Promote composting case studies	In Progress

2017 Projects
Promote Commercial, Multi-Family and Construction & Debris recycling case studies.
Promote composting case studies
Evaluate residential and commercial recycling incentive rewards programs
Provide annual Hazardous Waste and Electronic Waste events
Increase recycling to all city owned facilities and parks.

The City of Winter Park Sustainability staff members relayed recommended strategies and were involved in the development of the 2016 waste collection RFP from the beginning stages. A waste workshop was held with the Keep Winter Park Beautiful and Sustainable advisory board members and the priorities determined at these meetings included

- Free recycling carts for residential customers
- Terms that include the strategies and opportunity of moving to 1-1-1 pickup schedule (long term goal)
- Organics collection (long term goal)
- Free or low cost multifamily recycling infrastructure
- Reporting of all recycling and waste numbers, including contamination audits, for tracking and targeted educational purposes. Includes non-Wastepro recycling haulers.
- Implement residential recycling incentive program

In celebration of America Recycles Day, November 15, 2016, the City of Winter Park Mayor and the Orlando International Airport's Chief Operating Officer were joined by leaders from Whole Foods, Subaru, Rollins College, FDEP, U.S. Green Chamber of Commerce, American Sustainable Business Council, Valencia College, and Walt Disney World to share that, together, they are joining the standardized label movement to help residents, visitors, customers, students, employees... and overall communities recycle properly.

In 2010, Recycle Across America (RAA), a 501(c)(3) nonprofit, developed the first and only society-wide standardized labels for recycling bins to make recycling less confusing for the general public. Confusion at the bin leads to millions of tons of garbage being thrown into recycling bins each day, which increases the costs associated with processing the recyclables and harms the viability of recycling. There are currently over 1.25 million RAA labels across the U.S. In areas where the labels have been implemented there have been significant improvements in recycling and cost savings. During the first year of using the standardized labels in public K-12 schools throughout Orange County, Fl., for example, the school district experienced a 90 percent increase in recycling levels and saved nearly \$370,000 in landfill hauling fees.

City of Winter Park embraces that their involvement in the standardized label movement is part of a larger success story in Florida and across the U.S. that has been evolving within the past couple years thanks to the leadership of so many others who have been advancing this critical recycling solution. In fact, Central Florida has become the very first region in the country to launch a monumental and comprehensive effort of government, travel, commerce, education and tourism all coming together for one purpose: to make recycling easy for its community. It is the intention that participation with Recycle Across America will be instrumental in breaking through the 15% diversion rate and continuing progress toward the state of Florida 75% diversion rate goal that was set for 2020. KWPB and sustainability staff are also committed to continuing as the go to resource for commercial and residential recycling education .

Actress Joelle Carter took time out of her filming in Chicago to join the event and share her support of this mission and to congratulate central Florida on the monumental progress. We are proud to be the first city utilizing the standardized Recycle Across America labels for residential roll out carts. Each residential home in Winter Park received new solid waste and recycling carts at the end of



October 2016 which display the standardized labeling. Participation in the RAA program is a natural fit as a strategy that supports the City Sustainability Action Plan objective of increasing local recycling rates and meeting the Florida statewide goal of 75% landfill waste diversion by 2020.

HHWD

household hazardous waste dropoff

Household Hazardous Waste Collection events are a service provided by the City to residential customers on a biannual basis. The City of Winter Park, in partnership with Waste Pro® for household hazardous waste and A1 Assets, Inc., for e-waste. The following items are accepted: fertilizers & pesticides, antifreeze, propane tanks, paint thinners, wet latex paint (dry latex paint is not hazardous waste and can go in trash), oil based paint (can be wet or dry), non-alkaline batteries (regular alkaline batteries can go in trash), gasoline, used engine oil, pool chemicals, household chemicals, tires (maximum of four), used motor oil, and e-waste (computers, televisions, VCRs, DVD players, FAX machines, CD players & stereos). In 2016 a total of **16,802** pounds (8.4 tons) of Electronics were diverted from the landfill through these efforts.

Mobility & Urban Form

Category	Indicator	2012 Baseline	2015	2020 Target	2030 Target	
Mobility & Urban Form	MUF1	Vehicle Miles Traveled	In development		10% less	20% less
	MUF2	Certified Green Neighborhood Development	0 certified	0	2	All redevelopments achieve green certification
	MUF3	Electric Charging Stations	6	6	Increase	Increase
	MUF4	Walk Score	55	45	70	80
	MUF5	Transit Score	In Development	In Development	-	-
	MUF6	Bike Score	In Development	In Development	-	-

2017 Projects

Evaluate Transportation Plan with regards to SunRail, safe routes to schools, Complete Streets and regional projects such as trails.

Encourage private developments to increase safety and ease of walking and cycling through site plan review process with recommendations from project design checklist.

Evaluate Bike Share through a third party vendor as part of a regional wide program in conjunction with SunRail.

2016 Project Status

Status

Evaluate expanding bus service and consider Flex Bus for increasing service to Sunrail station.

Complete

Calculate Vehicle Miles Traveled (VMT) and GHG emissions as a result of VMT at select intersections

Complete

Evaluate Car Share through a third party vendor as part of a regional wide program in conjunction with SunRail.

Complete

A complete streets resolution was put into effect in 2007, and 2016 was a hallmark year in which the first project to undergo a Complete Streets project was put into action for Denning Drive. Notable for 2016 is the fact that the City of Winter Park Walkscore has increased 2 points since last year, but is still 8 points behind the 2012 baseline. This is expected to continue to upswing through efforts such as the Denning Drive Project, where walkability is factored into the redevelopment.

The Winter Park Commute Challenge is an annual event in December, which was expanded in 2016 from City Hall participation to include an open invitation to all Winter Park employers and commuters. Teams were formed in collaboration with Florida Department of Transportation's Rethink Your Commute program (www.rethinkyourcommute.org), this event provides



commuters to the Park Avenue area with a friendly competition regarding commuter options and also incentives, including a chance to win a prize for “trying out” an alternative commute for the day, including Sunrail, carpool, bicycle, and walking. A launch event was hosted by the Chamber of Commerce during the December “ Good Morning Winter Park”, where a panel of speakers talked about their experiences with

alternative commuting. 2016 saw a record number of participants, with **43 participants** from **10 Winter Park employers** for logging a total of **308 commute trips!**

The City of Winter Park Public Works Department funded the logistics design of a bicycle wayfinding system to direct cyclists throughout the city limits of Winter Park. The Transportation Advisory Board (Pedestrian and Bicycle Advisory Board at the time) held special work sessions with a consultant to establish City districts, select significant destinations, choose the best routes, and determine the sign format to convey the directions to the cyclists. Districts, locations, travel times, and distances are included on the directional signs. A complete logistics plan was developed and documented. It includes approximately 300 bicycle wayfinding signs.

A pilot project for a portion of the bicycle wayfinding system will be implemented in early 2017. This signed wayfinding route will connect the Cady Way Trail to the Mead Botanical Gardens. This project will be monitored for feedback on the informational signs provided primarily for the cyclists but it can work for pedestrians as well.

Acomb, Ostendorf & Associates (AOA) is Winter Park's first Best Workplace for Commuters (BWC). AOA received this national designation by offering 100% employer subsidized monthly SunRail passes, giving employees access to their free internal bikeshare program, and promotion of a flexible work schedule, along with additional office perks! reThink presented this award to AOA at a Winter Park Transportation Advisory Board meeting October 9, 2016.

Buildings, Energy and Water

Category	Indicator	2012 Baseline	2015	2020 Target	2030 Target
Buildings, Energy and Water	BEW1 Residential Energy Audits Performed Annually	152	79	150	150
	BEW2 Residential Rebates Administered Annually	95	43	100	100
	BEW3 Commercial Buildings Benchmarked	0	9	100	500
	BEW4 Percentage of WPEU energy portfolio from renewable and clean alternative sources	1.9%	FPL 44% natural gas OUC 18% natural gas GRU 19% Bio mass Covanta 19% waste to energy	40%	60%
	BEW5 Residential Potable Water average annual average	178.018 MG	165.392 MG	5% less	15% less
	BEW6 Community Wastewater (gallons)	0.968 MG	0.662 MG	5% less	15% less
	BEW7 Percentage of water from reclaimed sources	In Development	In Development	5% more	15% more
	BEW8 Percentage of buildings meeting City of Winter Park green building standards	1%	1%	25% new construction	50% new construction and major renovations

2017 Projects

Increase promotion of existing Energy & Water Conservation opportunities such as audits and rebates.
Publicize funding opportunities to help property owners finance green building projects, energy efficiency upgrades and renewable energy.
Establish energy benchmarking and disclosure policy.
Provide Green Building Education to appropriate city staff, realtors, and private builders.
Create and maintain an electronic database of all building energy code compliance, green certifications and energy ratings within the City of Winter Park
Explore opportunities for new buildings and major remodels achieve green building standards through updated building codes with minimum HERS rating for residential and ENERGY STAR for non-residential
Develop measures to discourage building destruction and encourage building design for long term use.
Increase promotion of Green Building Case Studies to residents, potential residents, home builders, and contractors.
Develop a plan for converting streetlights and public space lighting to LEDs.
Review water utility rates to ensure inverted rate structure is adequately discouraging overuse of water.

2016 Project Status

Status

Increase promotion of existing Energy & Water Conservation opportunities such as audits and rebates.	Complete
Publicize funding opportunities to help property owners finance green building projects, energy efficiency upgrades and renewable energy.	Complete
Establish energy benchmarking and disclosure policy.	In Progress for 2017
Provide Green Building Education to appropriate city staff, realtors, and private builders.	In Progress Sessions provided for REALTORS in 2016

Create and maintain an electronic database of all building energy code compliance, green certifications and energy ratings within the City of Winter Park

In Progress for 2017

Energy consumption reduction at the residential and municipal levels was a focus for 2016. A Measurement and Verification Plan for several municipal facilities was researched and developed under contract with Hanson engineering, and will be the basis for several 2017 projects, including : **XXX**

In 2015, in collaboration with the Orange Audubon Society, City staff replicated a proven Orange County homeowners energy efficiency program and with \$64,000 in grant funds provided by Toyota Together Green and retrofitted almost 40 homes, 5 churches, and one day care/nursery facility on the west side of Winter Park. Attic Insulation, duct repair, window film, and LED lighting are examples of upgrades that were completed by local contractors at no cost to the participants. As a part of this grant reporting process, staff will be calculating kwh savings as compared to participant baselines to determine if the 10% minimum savings have been achieved. These results will be available in 2017, and hope to inform future projects and assist with additional grant funding. Early analysis is showing an average 7% savings for average participants who installed at least one in home upgrade through the grant.

The Winter Park Electric Utility Conservation Rebate Program is administered by sustainability staff. Rebates are offered solely for insulation and duct repair, which have been shown to be the highest return on investment (ROI) upgrades that can truly be incentivized through our program. Residents are encouraged to get an audit to qualify for the rebates, and all rebates are issued as bill credits to reduce turnaround time and administration of paper rebate checks. The commercial audit and rebate program remains on indefinite hold and will be reevaluated if and when conservation funding is increased.

- 103 Total audits Completed
- 116 Total Rebates Processed

The City of Orlando and the City of Winter Park are submitting as a joint application to host a SolSmart Community Advisor that will assist with the internal coordination, implementation, and documentation of solar strategies that are consistent with those outlined in the “Bronze to Gold” roadmap created by the City of Orlando. With both Orlando and Winter Park slated to hold Bronze designation by the next



advisor cycle, these communities are poised to help set a regional standard of excellence for Solar Access. However, several barriers have been identified by city staff and it has been determined that resolution of these barriers would be regionally beneficial. FSEC, the Florida Solar Energy Center, has been engaged as an additional organizational partner for our joint SolSmart application. The main responsibilities of the center are to conduct research, test and certify solar systems, and develop education programs. FSEC reviews and certifies all solar project designs in the State of Florida before municipal review can begin. The Orlando/Winter Park hosted SolSmart Advisor will also be assisting FSEC to implement regional and statewide policy, process, and training improvement strategies.

DRAFT

Natural Resources & Systems

Category		Indicator	2012 Baseline	2015	2020 Target	2030 Target
Natural Systems & Resources	NSR1	Tree Canopy Coverage	55%	53%	55%	60%
	NSR2	Greenspace Coverage	57%	58%	57%	60%
	NSR3	Greyspace	43%	42%	43%	40%
	NSR4	Lakes Water Quality- Visibility Depth	2 meters	2 meters	2.5	3 meters
	NSR5	Residents living within a half mile of public greenspace	95%	95%	95%	95%

2017 Projects

Continue aquatic plant management.

Work towards establishing a Green Infrastructure Plan addressing stormwater with light impact development best management practices including Rain Gardens, Bio-Swales, Green Streets and Green Roofs that also serve as amenities.

2016 Project Status	Status
Continue aquatic plant management.	Complete
Work towards establishing a Green Infrastructure Plan addressing stormwater with light impact development best management practices including Rain Gardens, Bio-Swales, Green Streets and Green Roofs that also serve as amenities.	In Progress

Several water quality improvement projects and maintenance events were completed which will continue to benefit the water clarity and ecological health of the city lakes and waterways. The Lake Killarney phosphorus deactivation project involved the use of aluminum sulfate (alum) to bind phosphorus contained in the lake’s sediments and prevent it from recycling into the water column where it can fuel algae blooms. Prior to this project, approximately 60% of the phosphorus entering the water column in Lake Killarney came from the sediments. Alum is also used to remove phosphorus from stormwater runoff and the city recently upgraded its alum treatment stations on Lakes Virginia and Osceola to improve reliability and efficiency.

Regular and frequent inspections on stormwater retrofit structures are necessary in order to maintain proper function and debris collection. This year, 851 inspections were performed with 364 maintenance events that removed a total of 337 cubic yards of sediment, litter, grass clippings, sticks/branches, etc. from the stormwater systems and prevented their dispersal into the lakes. The small fences adjacent to outfall pipes in some lakes are designed to catch litter and debris that washes in from the surrounding neighborhood streets. A total of 375 inspections were performed on these outfall traps, and 371 cleanings resulted in the removal of 100 cubic yards of debris.

APPLE SNAILS



Greenspace coverage 56% down 2 % due to development reducing the % of available greenspace, and Tree Canopy Coverage is calculated to be down 1% due to high risk tree removals, which is a normal maintenance activity. The city’s urban forest consists of over 75,000 trees on private and public property and there are over 22,000 trees in city rights of way. Urban forestry gave away over 1500 trees throughout the year for

planting on private property encouraging species diversity. Urban forestry continues to promote "Right Tree Right Place" concepts and community outreach and education. In addition, Urban forestry planted over 600 trees in right of ways, parks, and parkland in FY2016. The canopy coverage should increase quickly. Of note was the fact over 60 residents declined the planting of right of way trees adjacent to their home. A complete inventory of the right of way trees was accomplished in 2016.

DRAFT

Local Food & Agriculture

Category		Indicator	2012 Baseline	2015	2020 Target	2030 Target
Local Food & Agriculture	LFA1	% of Residents within 1/2 mile of local/healthful food assets (community gardens, urban farms, CSAs, Farmer's Markets, Grocery Stores and restaurants offering locally grown food)	<i>In Development</i>	<i>In Development</i>	50	100%
	LFA2	Local Food Consumption Baseline (meals at home)	21.8% <i>(Current metric for statewide consumption, city baseline in development)</i>	<i>In Development</i>	40%	60%

2017 Projects

Participate in regional Food Policy Council.

Continue supporting existing Community Gardens

2016 Project Status	Status
Participate in regional Food Policy Council.	Complete
Create a map identifying additional city-owned locations for edible landscaping.	On Hold
Continue supporting existing Community Garden	In Progress

**no cash...
no problem**

● using our
● Farmers' Market
● Tokens are a SNAP!

**visit our welcome
table for more info**

Through grants from Healthy Central Florida, the Winter Park Health Foundation, and the Florida Organic Growers Association (FOG), the City of Winter Park is working to create the first organized SNAP (Supplemental Nutrition Assistance Program) in Central Florida. Gabby Lothrop of Gather and Grow, LLC (Audubon Park Farmers Market) will be administering the program on behalf of both of the markets, replicating an evidence based approach that essentially mimics an ATM and minimizes coordination efforts from individual markets and opens the SNAP and EBT

benefits to a wider customer base. Cities that have implemented this type program have seen significant increases in sales at farmers markets. This comprehensive program will be marketed for both markets, and the tokens that users receive at the booth will be good for produce and other non-prepared goods. Matching funds and "double points" from the FOG "Fresh Access Bucks" programs will also increase the affordability of local and organic options for lower income households that require assistance benefits.



Community gardens are alive and well in Winter Park. Rollins College EcoRollins students have an on campus garden. Both the Community Center and Mead Gardens locations are at full capacity and report a bountiful harvest of flowers, herbs, and vegetables throughout the year. These plots allow those without a yard to grow plants for personal use, and also provide educational and social activities for youth, adults, and seniors in our community.

Through a resident generated request, the KWPB&S board reviewed a proposal to revisit the topic of backyard chickens in Winter Park. Several surrounding municipalities, including Orlando and Maitland, currently offer the ability for residents to keep up three hens as pets as a source for fresh eggs. The KWPB board unanimously voted to draft a proposal and bring it forth for review to the City Commission in 2016. This proposed pilot was not approved for review by the City Commission at this time, and will be put on hold indefinitely unless enough resident interest is generated to revive the project.

Local Government Operations

Category	Indicator	2012 Baseline	2015	2020 Target	2030 Target	
Local Government Operations	LGO1	Local Government GHG Emissions	11,473 metric tons	Not measured at this interval	20% less	50% less
	LGO2	Energy usage	12,153,788 kWh	11,162,219 kWh	10% less	25% less
	LGO3	Renewable Energy Production	1.6%	1.6%	6.6%	11.6%
	LGO4	City Fleet Fuel Usage	151,971 gallons of gasoline/ 82,196 gallons of diesel	In Development	25% less	50% less
	LGO5	Potable Water Usage	49.543 MG	30.852 MG	25% less	50% less
	LGO6	City Employees using transit, carpooling, cycling or walking to work	In Development	23	Increase	Increase

2017 Projects

Continue monitoring city buildings' energy and water usage through ENERGY STAR Portfolio Manager.

Explore establishing a Revolving Energy Efficiency Loan Fund for city owned buildings and infrastructure.

Continue conducting energy audits for all city owned facilities

2016 Project Status	Status
Continue monitoring city buildings' energy and water usage through ENERGY STAR Portfolio Manager.	Complete
Explore establishing a Revolving Energy Efficiency Loan Fund for city owned buildings and infrastructure.	In Progress
Conduct energy audits for all city owned facilities	In Progress (6 buildings completed)

Based upon suggestions from the 2015 Crummer School of Business student project, 2016 saw the formation of an employee driven Green Team , which is a voluntary subcommittee of the Employee Committee, led by sustainability staff but holding representatives from a variety of city positions. It is the initial goal of the green team to use the day-to-day operational knowledge of these staff members to create a list of short, medium, and longer term goals for projects that will have a monetary benefit to the city, with a primary focus on energy, water, and waste reduction. 2015 energy consumption was approximately 8.15% below the 2012 baseline, which is significant progress toward the 10% reduction goal set for 2020. The largest municipal energy consuming building in the City of Winter Park portfolio is the Water Treatment facility, which is outside of city limits and billed by Duke Power. Sustainability staff continues to research possible alternatives to help save city dollars, including energy audits and also possible on-site renewable energy installations to offset the kWh consumption.



coming year.

The City's Visioning and Comprehensive Plan review process was completed in 2016, with a solid focus on increasing the overall sustainable footprint of the city now and into the future. One area of note was a lack of reference to the subject of Local Food or urban agriculture in the Comprehensive Plan. It was the suggestion of the Keep Winter Park Beautiful and Sustainable Advisory Board that verbiage be added to the Plan upon revision, which falls in line with the findings of other local municipal governments are currently undergoing similar exercises. Orlando and Orange County are also planning to add language to further define stances on Local Food and urban agriculture in the

RECOMMENDATIONS AND CONCLUSIONS

Looking forward to 2017, KWPB sponsorship and project funding will be a priority goal as the majority of our success is dependent upon financial support. While we do source a significant amount of funds from grants, fundraising, and sponsorships, securing annual, steady resources from the City will help to stabilize our program. Earth Day, Keep Winter Park Beautiful, and Winter Park Blooms will continue to be the main avenues for the Sustainability Program to provide consistent communication and branding in the community with regards to beautification and natural resource preservation.

Marketing and community outreach are fundamental to the continued success of the Sustainability program, and will be implemented from both a resident and employee perspective. Earth Day is the main outreach event, celebrating Winter Park and all of the integrated departments that have a hand in making Winter Park the best place in Florida to live, work, and play. Resident awareness will be conducted through communication mainstays such as social media, bill inserts, and the city newsletter, along with occasional Press releases and positive media coverage. Employee awareness through green team projects will focus upon implementation of short term, high Return on investment projects from a grassroots committee, hopefully building the concept of sustainability further into the employee culture. The "Sustainability Roadshow" to different departments will begin in Q1 of 2017, and recycling infrastructure installation for all departments is underway. It is our intention for 2017 to begin a small quarterly sustainability update to staff in the employee e-news.

With the launch of the new waste contract having occurred in October of 2016, recycling education will be the primary responsibility of our department for 2017 and will require staff and monetary resources, along with targeted awareness campaigns and communication of how to recycle often and recycle right. The sustainability office will also be focused on monitoring local haulers under the new registration and reporting requirements, and measuring the increased reporting impacts on the overall diversion rate for the city.

Solar energy and the expansion of solar photovoltaic systems and offerings within the city and that are available for purchase by the city will continue to be explored as a priority for supplying Winter Park's electricity needs.

A copy of the budget report and proposed FY2017-2018 are attached as an appendix.



Agenda Item Summary

Sustainability Action Plan Review -

The Keep Winter Park Beautiful and Sustainable Advisory Board will conduct a review of the Sustainability Action Plan, and to assess projects under the plan for 2017

Summary:

See 2016 SAP Annual Report DRAFT Attached

ATTACHMENTS:

Description	Upload Date	Type
DRAFT 2016 Annual Report	1/11/2017	Backup Material



2016 Sustainability Report

Presented by:

City of Winter Park's Keep Winter Park Beautiful & Sustainable Advisory Board

Kris Stenger, Director of Building, Permitting, & Sustainability

Abby Gulden, Sustainability and Permitting Coordinator

FORWARD

The City of Winter Park Sustainability Office was originally created in 2009 to research and recommend improvements concerning Green Local Government Certification, which the City earned at the Gold level in 2011. The Sustainability Office was then given the appointment to reflect the City's leadership in energy and environmental awareness.

Led by the Keep Winter Park Beautiful & Sustainable Advisory Board, the city's first Sustainability Action Plan (SAP) is a collaborative effort involving the entire community. The plan was adopted by unanimous vote of the City Commission on February 9, 2015.

The purpose of the SAP is to create a roadmap depicting where the city is today and where it would like to be in the future, in regard to sustainability. It is divided into seven categories, long term objectives and short term actions for helping the city achieve these long term objectives. The objectives are intended to be quantifiable so that progress can be measured on an annual basis and reported to decision makers and stakeholders. A collaborative, integrated approach is necessary for working toward meeting the objectives outlined in the program. The plan is a living document intended to evolve over time as Winter Park experiences both progress and challenges.

This report is the second annual report of the Sustainability Action Plan. It provides a review of city activities and programs that are taking place now, and provides an outline regarding sustainability related considerations as the City moves forward.

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6. Buildings, Energy and Water
7. Natural Resources & Systems
8. Local Food & Agriculture
9. Local Government Operations
10. Recommendations and Conclusions
11. Appendix
 - a. KWPB 2016 Budget Spreadsheet

Executive Summary

- **Community Engagement and Green Economy:** The City of Winter Park has year-round programs when it comes to providing educational and volunteer opportunities for keeping our city clean and green. Many of our own departments offer education and awareness from home energy-efficiency audits (provided by the city's Sustainability Office) to the multiple Watershed Litter cleanup events throughout the year.
- **Waste And Recycling:** The recent integration of sustainability into the Waste Collection contract will be instrumental in breaking through the 15% diversion rate and continuing progress toward the state of Florida 75% diversion rate goal that was set for 2020. KWPB and sustainability staff are also committed to continuing as the go to resource for commercial and residential recycling education.
- **Mobility and Urban Form:** The City of Winter Park Public Works Department funded the logistics design of a bicycle wayfinding system to direct cyclists throughout the city limits of Winter Park. A pilot project for a portion of the bicycle wayfinding system will be implemented in early 2017. This signed wayfinding route will connect the Cady Way Trail to the Mead Botanical Gardens. The Transportation Advisory Board advised heavily on the wayfinding project, and has stated support for the goal of the City of Winter Park to seek a Best Workplaces for Commuters designation as a priority goal for 2017.
- **Buildings, Energy, and Water:** With reduction strategies firmly in place, the goal consumer education will continue. Research, design, and execution of programs that support the increase of production of solar energy, both in the municipal and residential sectors, will be a main focus for 2017.
- **Natural Resources and systems:** This past year, the Lakes division completed several significant projects and maintenance events which will continue to improve water quality within the city lakes and waterways.
- **Local Food and Agriculture:** Through a grant with Healthy Central Florida, the City of Winter Park is working with two other local Farmers Markets to create the first organized SNAP acceptance program in Central Florida.
- **Local Government Operations:** 2016 saw the formation of an employee driven Green Team. It is the initial goal of the green team to use the day-to-day operational knowledge of these staff members to create a list of short, medium, and longer term goals for projects that will have a monetary benefit to the city, with a primary focus on energy, water, and waste reduction.

City of Winter Park Guiding Commitments

By integrating elements of this plan, Winter Park will:

- Increase the quality of life while improving individual and community health.
- Become more energy independent.
- Protect and enhance air quality, water quality, and natural systems.
- Save money.
- Increase economic value.

It is the intention of this document to provide high level objectives that are conceptually approved by the City Commission and leadership. The actions listed under each category are put forth as possible avenues for achievement of the approved goals, and do not represent required or prescriptive measures.

Community Engagement & Green Economy

	Indicator	2012 Baseline	2015	2020 Target	2030 Target
CEGE1	City wide Carbon Footprint in GHG Emissions (electric, transportation, solid waste)	397,075	Not Measured at this interval	25% less	50% less
CEGE2	Recognized Green Businesses	0	9	25 % recognized businesses	50% recognized businesses
CEGE3	Residents taking the Sustainability Pledge	0	36	50%	100%
CEGE4	Green School Grant Applications	10	5	50%	100%
CEGE5	KWPB Volunteer Events	12	13	12	12

2017 Projects

Develop interactive sustainability webpage that allows individuals to take Sustainability Pledge, calculate their carbon footprint, organizations to post environmental volunteer opportunities, and share success stories.

Develop Marketing Plan for Sustainability.

Continue Green School Grant program.

Create and install Environmental Education opportunities at parks and green buildings.

Continue participation in America In Bloom/ Winter Park Blooms.

Continue volunteer opportunities including lake cleanups, gardening, and invasive species removal.

2016 Project Status	Status
Develop Marketing Plan for Sustainability.	In Progress
Continue Green School Grant program.	Complete
Explore funding options for maintenance and upkeep of existing Pocket Parks and Community Gardens	Program Suspended
Facilitate sustainability education workshops	Program Suspended
Continue participation in America In Bloom/ Winter Park Blooms.	Complete
Continue volunteer opportunities including lake cleanups, gardening, and invasive species removal.	Complete

The City of Winter Park has year-round programs when it comes to providing educational and volunteer opportunities for keeping our city clean and green.

Great American Cleanup: an annual event from March to May when citizens come together to clean up and beautify the streets and lakes of Winter Park, supplies provided by KWPB.

Earth Day in the Park: The City’s Office of Sustainability invites all city departments to participate in the Earth Day Fair, this allows the participants to come together in one place as a city unit to educate and make residents aware of the city now and in the future. Schools from the elementary level to High School compete for Green School Grants, which are awarded on Earth Day by the Mayor in support of eco-friendly projects such as butterfly gardens, vegetable gardens, and on site composting programs .



The City of Winter Park partnered with Green Destination Orlando, City of Orlando, and Orange County to launch the 2016 Central Florida Workplace Challenge, where local businesses were challenged to create a more green, healthy, and involved workplace in a friendly competition with other businesses, and increasing the number of recognized green businesses in Winter Park in 2016.



The City of Winter Park was a 2016 recipient of the America in Bloom Outstanding Achievement Award in the Heritage Preservation category, which welcomed

Winter Park into the America in Bloom “Circle of Champions”. America in Bloom promotes nationwide beautification through education and community involvement by encouraging the use of flowers, plants, trees, and other

environmental and lifestyle enhancements. The first annual City of

Winter Park Volunteer Appreciation event was held at Casa Feliz in 2016, where individuals young and old from various organizations in Winter Park were given awards for their volunteerism.

Waste Diversion & Recycling

Category	Indicator	2012 Baseline	2015	2020 Target	2030 Target	
Waste Diversion & Recycling	WDR1	Waste diverted from landfill	15%	15%	75% (state goal)	90%
	WDR2	Total tons of solid waste generated	11,594	11,684	10% less	25 % less
	WDR3	GHG emissions from solid waste (calculated as 3.45 tons of CO2 per ton of waste generated)	39,999	40,310	40% less	75% less

2016 Project Status	Status
Evaluate City Waste Contract for provision of single stream recycling carts to all residential customers, frequency of waste collection service, and Pay As You Throw model.	Complete
Evaluate residential and commercial recycling incentive rewards programs	In Progress
Evaluate requirement for commercial and multifamily recycling service	Complete
Promote Commercial, Multi-Family and Construction & Debris recycling case studies.	In Progress
Promote composting case studies	In Progress

2017 Projects
Promote Commercial, Multi-Family and Construction & Debris recycling case studies.
Promote composting case studies
Evaluate residential and commercial recycling incentive rewards programs
Provide annual Hazardous Waste and Electronic Waste events
Increase recycling to all city owned facilities and parks.

The City of Winter Park Sustainability staff members relayed recommended strategies and were involved in the development of the 2016 waste collection RFP from the beginning stages. A waste workshop was held with the Keep Winter Park Beautiful and Sustainable advisory board members and the priorities determined at these meetings included

- Free recycling carts for residential customers
- Terms that include the strategies and opportunity of moving to 1-1-1 pickup schedule (long term goal)
- Organics collection (long term goal)
- Free or low cost multifamily recycling infrastructure
- Reporting of all recycling and waste numbers, including contamination audits, for tracking and targeted educational purposes. Includes non-Wastepro recycling haulers.
- Implement residential recycling incentive program

In celebration of America Recycles Day, November 15, 2016, the City of Winter Park Mayor and the Orlando International Airport's Chief Operating Officer were joined by leaders from Whole Foods, Subaru, Rollins College, FDEP, U.S. Green Chamber of Commerce, American Sustainable Business Council, Valencia College, and Walt Disney World to share that, together, they are joining the standardized label movement to help residents, visitors, customers, students, employees... and overall communities recycle properly.

In 2010, Recycle Across America (RAA), a 501(c)(3) nonprofit, developed the first and only society-wide standardized labels for recycling bins to make recycling less confusing for the general public. Confusion at the bin leads to millions of tons of garbage being thrown into recycling bins each day, which increases the costs associated with processing the recyclables and harms the viability of recycling. There are currently over 1.25 million RAA labels across the U.S. In areas where the labels have been implemented there have been significant improvements in recycling and cost savings. During the first year of using the standardized labels in public K-12 schools throughout Orange County, Fl., for example, the school district experienced a 90 percent increase in recycling levels and saved nearly \$370,000 in landfill hauling fees.

City of Winter Park embraces that their involvement in the standardized label movement is part of a larger success story in Florida and across the U.S. that has been evolving within the past couple years thanks to the leadership of so many others who have been advancing this critical recycling solution. In fact, Central Florida has become the very first region in the country to launch a monumental and comprehensive effort of government, travel, commerce, education and tourism all coming together for one purpose: to make recycling easy for its community. It is the intention that participation with Recycle Across America will be instrumental in breaking through the 15% diversion rate and continuing progress toward the state of Florida 75% diversion rate goal that was set for 2020. KWPB and sustainability staff are also committed to continuing as the go to resource for commercial and residential recycling education .

Actress Joelle Carter took time out of her filming in Chicago to join the event and share her support of this mission and to congratulate central Florida on the monumental progress. We are proud to be the first city utilizing the standardized Recycle Across America labels for residential roll out carts. Each residential home in Winter Park received new solid waste and recycling carts at the end of



October 2016 which display the standardized labeling. Participation in the RAA program is a natural fit as a strategy that supports the City Sustainability Action Plan objective of increasing local recycling rates and meeting the Florida statewide goal of 75% landfill waste diversion by 2020.

HHWD

household hazardous waste dropoff

Household Hazardous Waste Collection events are a service provided by the City to residential customers on a biannual basis. The City of Winter Park, in partnership with Waste Pro® for household hazardous waste and A1 Assets, Inc., for e-waste. The following items are accepted: fertilizers & pesticides, antifreeze, propane tanks, paint thinners, wet latex paint (dry latex paint is not hazardous waste and can go in trash), oil based paint (can be wet or dry), non-alkaline batteries (regular alkaline batteries can go in trash), gasoline, used engine oil, pool chemicals, household chemicals, tires (maximum of four), used motor oil, and e-waste (computers, televisions, VCRs, DVD players, FAX machines, CD players & stereos). In 2016 a total of **16,802** pounds (8.4 tons) of Electronics were diverted from the landfill through these efforts.

Mobility & Urban Form

Category	Indicator	2012 Baseline	2015	2020 Target	2030 Target	
Mobility & Urban Form	MUF1	Vehicle Miles Traveled	In development		10% less	20% less
	MUF2	Certified Green Neighborhood Development	0 certified	0	2	All redevelopments achieve green certification
	MUF3	Electric Charging Stations	6	6	Increase	Increase
	MUF4	Walk Score	55	45	70	80
	MUF5	Transit Score	In Development	In Development	-	-
	MUF6	Bike Score	In Development	In Development	-	-

2017 Projects

Evaluate Transportation Plan with regards to SunRail, safe routes to schools, Complete Streets and regional projects such as trails.

Encourage private developments to increase safety and ease of walking and cycling through site plan review process with recommendations from project design checklist.

Evaluate Bike Share through a third party vendor as part of a regional wide program in conjunction with SunRail.

2016 Project Status

Status

Evaluate expanding bus service and consider Flex Bus for increasing service to Sunrail station.

Complete

Calculate Vehicle Miles Traveled (VMT) and GHG emissions as a result of VMT at select intersections

Complete

Evaluate Car Share through a third party vendor as part of a regional wide program in conjunction with SunRail.

Complete

A complete streets resolution was put into effect in 2007, and 2016 was a hallmark year in which the first project to undergo a Complete Streets project was put into action for Denning Drive. Notable for 2016 is the fact that the City of Winter Park Walkscore has increased 2 points since last year, but is still 8 points behind the 2012 baseline. This is expected to continue to upswing through efforts such as the Denning Drive Project, where walkability is factored into the redevelopment.

The Winter Park Commute Challenge is an annual event in December, which was expanded in 2016 from City Hall participation to include an open invitation to all Winter Park employers and commuters. Teams were formed in collaboration with Florida Department of Transportation's Rethink Your Commute program (www.rethinkyourcommute.org), this event provides



commuters to the Park Avenue area with a friendly competition regarding commuter options and also incentives, including a chance to win a prize for “trying out” an alternative commute for the day, including Sunrail, carpool, bicycle, and walking. A launch event was hosted by the Chamber of Commerce during the December “ Good Morning Winter Park”, where a panel of speakers talked about their experiences with

alternative commuting. 2016 saw a record number of participants, with **43 participants** from **10 Winter Park employers** for logging a total of **308 commute trips!**

The City of Winter Park Public Works Department funded the logistics design of a bicycle wayfinding system to direct cyclists throughout the city limits of Winter Park. The Transportation Advisory Board (Pedestrian and Bicycle Advisory Board at the time) held special work sessions with a consultant to establish City districts, select significant destinations, choose the best routes, and determine the sign format to convey the directions to the cyclists. Districts, locations, travel times, and distances are included on the directional signs. A complete logistics plan was developed and documented. It includes approximately 300 bicycle wayfinding signs.

A pilot project for a portion of the bicycle wayfinding system will be implemented in early 2017. This signed wayfinding route will connect the Cady Way Trail to the Mead Botanical Gardens. This project will be monitored for feedback on the informational signs provided primarily for the cyclists but it can work for pedestrians as well.

Acomb, Ostendorf & Associates (AOA) is Winter Park's first Best Workplace for Commuters (BWC). AOA received this national designation by offering 100% employer subsidized monthly SunRail passes, giving employees access to their free internal bikeshare program, and promotion of a flexible work schedule, along with additional office perks! reThink presented this award to AOA at a Winter Park Transportation Advisory Board meeting October 9, 2016.

Buildings, Energy and Water

Category	Indicator	2012 Baseline	2015	2020 Target	2030 Target	
Buildings, Energy and Water	BEW1	Residential Energy Audits Performed Annually	152	79	150	150
	BEW2	Residential Rebates Administered Annually	95	43	100	100
	BEW3	Commercial Buildings Benchmarked	0	9	100	500
	BEW4	Percentage of WPEU energy portfolio from renewable and clean alternative sources	1.9%	FPL 44% natural gas OUC 18% natural gas GRU 19% Bio mass Covanta 19% waste to energy	40%	60%
	BEW5	Residential Potable Water average annual average	178.018 MG	165.392 MG	5% less	15% less
	BEW6	Community Wastewater (gallons)	0.968 MG	0.662 MG	5% less	15% less
	BEW7	Percentage of water from reclaimed sources	In Development	In Development	5% more	15% more
	BEW8	Percentage of buildings meeting City of Winter Park green building standards	1%	1%	25% new construction	50% new construction and major renovations

2017 Projects

Increase promotion of existing Energy & Water Conservation opportunities such as audits and rebates.
Publicize funding opportunities to help property owners finance green building projects, energy efficiency upgrades and renewable energy.
Establish energy benchmarking and disclosure policy.
Provide Green Building Education to appropriate city staff, realtors, and private builders.
Create and maintain an electronic database of all building energy code compliance, green certifications and energy ratings within the City of Winter Park
Explore opportunities for new buildings and major remodels achieve green building standards through updated building codes with minimum HERS rating for residential and ENERGY STAR for non-residential
Develop measures to discourage building destruction and encourage building design for long term use.
Increase promotion of Green Building Case Studies to residents, potential residents, home builders, and contractors.
Develop a plan for converting streetlights and public space lighting to LEDs.
Review water utility rates to ensure inverted rate structure is adequately discouraging overuse of water.

2016 Project Status

Status

Increase promotion of existing Energy & Water Conservation opportunities such as audits and rebates.	Complete
Publicize funding opportunities to help property owners finance green building projects, energy efficiency upgrades and renewable energy.	Complete
Establish energy benchmarking and disclosure policy.	In Progress for 2017
Provide Green Building Education to appropriate city staff, realtors, and private builders.	In Progress Sessions provided for REALTORS in 2016

Create and maintain an electronic database of all building energy code compliance, green certifications and energy ratings within the City of Winter Park

In Progress for 2017

Energy consumption reduction at the residential and municipal levels was a focus for 2016. A Measurement and Verification Plan for several municipal facilities was researched and developed under contract with Hanson engineering, and will be the basis for several 2017 projects, including : **XXX**

In 2015, in collaboration with the Orange Audubon Society, City staff replicated a proven Orange County homeowners energy efficiency program and with \$64,000 in grant funds provided by Toyota Together Green and retrofitted almost 40 homes, 5 churches, and one day care/nursery facility on the west side of Winter Park. Attic Insulation, duct repair, window film, and LED lighting are examples of upgrades that were completed by local contractors at no cost to the participants. As a part of this grant reporting process, staff will be calculating kwh savings as compared to participant baselines to determine if the 10% minimum savings have been achieved. These results will be available in 2017, and hope to inform future projects and assist with additional grant funding. Early analysis is showing an average 7% savings for average participants who installed at least one in home upgrade through the grant.

The Winter Park Electric Utility Conservation Rebate Program is administered by sustainability staff. Rebates are offered solely for insulation and duct repair, which have been shown to be the highest return on investment (ROI) upgrades that can truly be incentivized through our program. Residents are encouraged to get an audit to qualify for the rebates, and all rebates are issued as bill credits to reduce turnaround time and administration of paper rebate checks. The commercial audit and rebate program remains on indefinite hold and will be reevaluated if and when conservation funding is increased.

- 103 Total audits Completed
- 116 Total Rebates Processed

The City of Orlando and the City of Winter Park are submitting as a joint application to host a SolSmart Community Advisor that will assist with the internal coordination, implementation, and documentation of solar strategies that are consistent with those outlined in the “Bronze to Gold” roadmap created by the City of Orlando. With both Orlando and Winter Park slated to hold Bronze designation by the next



advisor cycle, these communities are poised to help set a regional standard of excellence for Solar Access. However, several barriers have been identified by city staff and it has been determined that resolution of these barriers would be regionally beneficial. FSEC, the Florida Solar Energy Center, has been engaged as an additional organizational partner for our joint SolSmart application. The main responsibilities of the center are to conduct research, test and certify solar systems, and develop education programs. FSEC reviews and certifies all solar project designs in the State of Florida before municipal review can begin. The Orlando/Winter Park hosted SolSmart Advisor will also be assisting FSEC to implement regional and statewide policy, process, and training improvement strategies.

Natural Resources & Systems

Category		Indicator	2012 Baseline	2015	2020 Target	2030 Target
Natural Systems & Resources	NSR1	Tree Canopy Coverage	55%	53%	55%	60%
	NSR2	Greenspace Coverage	57%	58%	57%	60%
	NSR3	Greyspace	43%	42%	43%	40%
	NSR4	Lakes Water Quality- Visibility Depth	2 meters	2 meters	2.5	3 meters
	NSR5	Residents living within a half mile of public greenspace	95%	95%	95%	95%

2017 Projects

Continue aquatic plant management.

Work towards establishing a Green Infrastructure Plan addressing stormwater with light impact development best management practices including Rain Gardens, Bio-Swales, Green Streets and Green Roofs that also serve as amenities.

2016 Project Status	Status
Continue aquatic plant management.	Complete
Work towards establishing a Green Infrastructure Plan addressing stormwater with light impact development best management practices including Rain Gardens, Bio-Swales, Green Streets and Green Roofs that also serve as amenities.	In Progress

Several water quality improvement projects and maintenance events were completed which will continue to benefit the water clarity and ecological health of the city lakes and waterways. The Lake Killarney phosphorus deactivation project involved the use of aluminum sulfate (alum) to bind phosphorus contained in the lake’s sediments and prevent it from recycling into the water column where it can fuel algae blooms. Prior to this project, approximately 60% of the phosphorus entering the water column in Lake Killarney came from the sediments. Alum is also used to remove phosphorus from stormwater runoff and the city recently upgraded its alum treatment stations on Lakes Virginia and Osceola to improve reliability and efficiency.

Regular and frequent inspections on stormwater retrofit structures are necessary in order to maintain proper function and debris collection. This year, 851 inspections were performed with 364 maintenance events that removed a total of 337 cubic yards of sediment, litter, grass clippings, sticks/branches, etc. from the stormwater systems and prevented their dispersal into the lakes. The small fences adjacent to outfall pipes in some lakes are designed to catch litter and debris that washes in from the surrounding neighborhood streets. A total of 375 inspections were performed on these outfall traps, and 371 cleanings resulted in the removal of 100 cubic yards of debris.

APPLE SNAILS



Greenspace coverage 56% down 2 % due to development reducing the % of available greenspace, and Tree Canopy Coverage is calculated to be down 1% due to high risk tree removals, which is a normal maintenance activity. The city’s urban forest consists of over 75,000 trees on private and public property and there are over 22,000 trees in city rights of way. Urban forestry gave away over 1500 trees throughout the year for

planting on private property encouraging species diversity. Urban forestry continues to promote "Right Tree Right Place" concepts and community outreach and education. In addition, Urban forestry planted over 600 trees in right of ways, parks, and parkland in FY2016. The canopy coverage should increase quickly. Of note was the fact over 60 residents declined the planting of right of way trees adjacent to their home. A complete inventory of the right of way trees was accomplished in 2016.

DRAFT

Local Food & Agriculture

Category		Indicator	2012 Baseline	2015	2020 Target	2030 Target
Local Food & Agriculture	LFA1	% of Residents within 1/2 mile of local/healthful food assets (community gardens, urban farms, CSAs, Farmer's Markets, Grocery Stores and restaurants offering locally grown food)	<i>In Development</i>	<i>In Development</i>	50	100%
	LFA2	Local Food Consumption Baseline (meals at home)	21.8% <i>(Current metric for statewide consumption, city baseline in development)</i>	<i>In Development</i>	40%	60%

2017 Projects

Participate in regional Food Policy Council.

Continue supporting existing Community Gardens

2016 Project Status	Status
Participate in regional Food Policy Council.	Complete
Create a map identifying additional city-owned locations for edible landscaping.	On Hold
Continue supporting existing Community Garden	In Progress

**no cash...
no problem**

● using our
● Farmers' Market
● Tokens are a SNAP!

**visit our welcome
table for more info**

Through grants from Healthy Central Florida, the Winter Park Health Foundation, and the Florida Organic Growers Association (FOG), the City of Winter Park is working to create the first organized SNAP (Supplemental Nutrition Assistance Program) in Central Florida. Gabby Lothrop of Gather and Grow, LLC (Audubon Park Farmers Market) will be administering the program on behalf of both of the markets, replicating an evidence based approach that essentially mimics an ATM and minimizes coordination efforts from individual markets and opens the SNAP and EBT

benefits to a wider customer base. Cities that have implemented this type program have seen significant increases in sales at farmers markets. This comprehensive program will be marketed for both markets, and the tokens that users receive at the booth will be good for produce and other non-prepared goods. Matching funds and "double points" from the FOG "Fresh Access Bucks" programs will also increase the affordability of local and organic options for lower income households that require assistance benefits.



Community gardens are alive and well in Winter Park. Rollins College EcoRollins students have an on campus garden. Both the Community Center and Mead Gardens locations are at full capacity and report a bountiful harvest of flowers, herbs, and vegetables throughout the year. These plots allow those without a yard to grow plants for personal use, and also provide educational and social activities for youth, adults, and seniors in our community.

Through a resident generated request, the KWPB&S board reviewed a proposal to revisit the topic of backyard chickens in Winter Park. Several surrounding municipalities, including Orlando and Maitland, currently offer the ability for residents to keep up three hens as pets as a source for fresh eggs. The KWPB board unanimously voted to draft a proposal and bring it forth for review to the City Commission in 2016. This proposed pilot was not approved for review by the City Commission at this time, and will be put on hold indefinitely unless enough resident interest is generated to revive the project.

Local Government Operations

Category	Indicator	2012 Baseline	2015	2020 Target	2030 Target	
Local Government Operations	LGO1	Local Government GHG Emissions	11,473 metric tons	Not measured at this interval	20% less	50% less
	LGO2	Energy usage	12,153,788 kWh	11,162,219 kWh	10% less	25% less
	LGO3	Renewable Energy Production	1.6%	1.6%	6.6%	11.6%
	LGO4	City Fleet Fuel Usage	151,971 gallons of gasoline/ 82,196 gallons of diesel	In Development	25% less	50% less
	LGO5	Potable Water Usage	49.543 MG	30.852 MG	25% less	50% less
	LGO6	City Employees using transit, carpooling, cycling or walking to work	In Development	23	Increase	Increase

2017 Projects

Continue monitoring city buildings' energy and water usage through ENERGY STAR Portfolio Manager.

Explore establishing a Revolving Energy Efficiency Loan Fund for city owned buildings and infrastructure.

Continue conducting energy audits for all city owned facilities

2016 Project Status	Status
Continue monitoring city buildings' energy and water usage through ENERGY STAR Portfolio Manager.	Complete
Explore establishing a Revolving Energy Efficiency Loan Fund for city owned buildings and infrastructure.	In Progress
Conduct energy audits for all city owned facilities	In Progress (6 buildings completed)

Based upon suggestions from the 2015 Crummer School of Business student project, 2016 saw the formation of an employee driven Green Team , which is a voluntary subcommittee of the Employee Committee, led by sustainability staff but holding representatives from a variety of city positions. It is the initial goal of the green team to use the day-to-day operational knowledge of these staff members to create a list of short, medium, and longer term goals for projects that will have a monetary benefit to the city, with a primary focus on energy, water, and waste reduction. 2015 energy consumption was approximately 8.15% below the 2012 baseline, which is significant progress toward the 10% reduction goal set for 2020. The largest municipal energy consuming building in the City of Winter Park portfolio is the Water Treatment facility, which is outside of city limits and billed by Duke Power. Sustainability staff continues to research possible alternatives to help save city dollars, including energy audits and also possible on-site renewable energy installations to offset the kWh consumption.



coming year.

The City's Visioning and Comprehensive Plan review process was completed in 2016, with a solid focus on increasing the overall sustainable footprint of the city now and into the future. One area of note was a lack of reference to the subject of Local Food or urban agriculture in the Comprehensive Plan. It was the suggestion of the Keep Winter Park Beautiful and Sustainable Advisory Board that verbiage be added to the Plan upon revision, which falls in line with the findings of other local municipal governments are currently undergoing similar exercises. Orlando and Orange County are also planning to add language to further define stances on Local Food and urban agriculture in the

RECOMMENDATIONS AND CONCLUSIONS

Looking forward to 2017, KWPB sponsorship and project funding will be a priority goal as the majority of our success is dependent upon financial support. While we do source a significant amount of funds from grants, fundraising, and sponsorships, securing annual, steady resources from the City will help to stabilize our program. Earth Day, Keep Winter Park Beautiful, and Winter Park Blooms will continue to be the main avenues for the Sustainability Program to provide consistent communication and branding in the community with regards to beautification and natural resource preservation.

Marketing and community outreach are fundamental to the continued success of the Sustainability program, and will be implemented from both a resident and employee perspective. Earth Day is the main outreach event, celebrating Winter Park and all of the integrated departments that have a hand in making Winter Park the best place in Florida to live, work, and play. Resident awareness will be conducted through communication mainstays such as social media, bill inserts, and the city newsletter, along with occasional Press releases and positive media coverage. Employee awareness through green team projects will focus upon implementation of short term, high Return on investment projects from a grassroots committee, hopefully building the concept of sustainability further into the employee culture. The “Sustainability Roadshow” to different departments will begin in Q1 of 2017, and recycling infrastructure installation for all departments is underway. It is our intention for 2017 to begin a small quarterly sustainability update to staff in the employee e-news.

With the launch of the new waste contract having occurred in October of 2016, recycling education will be the primary responsibility of our department for 2017 and will require staff and monetary resources, along with targeted awareness campaigns and communication of how to recycle often and recycle right. The sustainability office will also be focused on monitoring local haulers under the new registration and reporting requirements, and measuring the increased reporting impacts on the overall diversion rate for the city.

Solar energy and the expansion of solar photovoltaic systems and offerings within the city and that are available for purchase by the city will continue to be explored as a priority for supplying Winter Park’s electricity needs.

A copy of the budget report and proposed FY2017-2018 are attached as an appendix.