



Keep Winter Park Beautiful & Sustainable Advisory Board Regular Meeting

Agenda

November 15, 2022 @ 11:45 am

City Hall Commission Chambers

401 S Park Ave

Winter Park, FL 32789

welcome

Agendas and all backup material supporting each agenda item are accessible via the city's website at cityofwinterpark.org/bpm and include virtual meeting instructions.

assistance & appeals

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

"If a person decides to appeal any decision made by the Board with respect to any matter considered at this hearing, a record of the proceedings is needed 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).

please note

Times are projected and subject to change.

-
1. **Call to Order**
 2. **Consent Agenda**
 - a. [Approve meeting minutes for October 18th, 2022](#) 2 Minutes
 3. **Public Comments (for items not on the agenda): Three minutes allowed for each speaker**
 4. **Action Items**
 - a. [Green School Grant Award Fund 2023](#) 10 Minutes
 5. **Non-Action Items**
 - a. [Backyard Chicken Ordinance](#) 5 Minutes
 - Ordinance to be considered for approval at Commission Meeting to be determined due to Tropical Storm Nicole.
 - b. [December Meeting](#) 5 Minutes
 6. **Staff Updates**
 - a. [Quanta Update](#) 5 Minutes
 - Data has been submitted from CWP (City of Winter Park)
 - Quanta is reviewing data
 - Next steps is a workshop with staff
 - b. [Energy Efficiency Study](#) 5 Minutes
 - 15 Lightyears is planned to do most efficient and feasible buildings
 - c. [SAP Update – Dec 15, 2022 1 PM to 3 PM](#) 5 Minutes
 - Workshop moved from Oct 27 to Dec 15
 - SAP complete
 - d. [Election Sign Recycling Initiative](#) 5 Minutes
 - Collections dates Nov 9 – 20
 - PureCycle
 - Primaries = 6,080 pounds
 - e. [Employee Appreciation Lunch](#) 5 Minutes
 - f. [Green School Grant Submissions 2022](#) 5 Minutes
 7. **Board Comments**
 - a. [Green Minutes](#) 2.5 Minutes

b. [New Business / Announcements](#)

2.5 Minutes

8. Upcoming Agenda Items

a. [Discussion for Upcoming Agenda Items](#)

5 Minutes

9. Adjournment



Keep Winter Park
Beautiful &
Sustainable
Advisory Board

agenda item

item type	Consent Agenda	meeting date	November 15, 2022
prepared by	Victoria Tabor	approved by	
board approval			
strategic objective			

subject

Approve meeting minutes for October 18th, 2022

motion / recommendation

background

alternatives / other considerations

fiscal impact

ATTACHMENTS:

[KWPB 10.18.22 meeting minutes](#)



Keep Winter Park Beautiful & Sustainable Advisory Board Minutes

October 18th, 2022, at 11:45 a.m.

Commission Chamber
401 S Park Ave, Winter Park

Present

KWPB&S: Stephen Pategas, Catherine (Kay) Hudson, Carey Bond, Ben Ellis, Rishona S Teres

City Staff: Sara Miller; Sustainability Manager, Mia Brady; Sustainability Specialist, Johnny Miller; Event Manager, Victoria Tabor; Admin Coordinator

(1) Call to Order

Meeting called to order by Kay Hudson at 11:46 AM.

(2) Consent Agenda

Stephen Pategas motioned to approve the September Meeting Minutes. Carey Bond Seconded and the motion passed.

(3) Public Comment

None.

(4) Staff Updates

Sara Miller provided information on the OCPS 9th Annual Green Schools Banquet, which is happening October 20th at Camping World Stadium from 1-3 PM. Kay Hudson will be representing the KWPB&S board at the event. The KWPB&S board is excited to be sponsoring their programming. The Sustainability Division has a meeting with Jenny Jaegal, the sustainability coordinator at OCPS, to discuss further collaborations between OCPS and the City of Winter Park.

Sara talked about the Green School Grants application being published. Staff have already been in communication with the schools that have submitted their deliverables for the 2022 grants. The KWPB&S board still needs to figure out what the grant funding will be for each school. Staff is actively looking for sponsorships right now with local businesses to fund the grants. The application is open until December 30th, 2022. Mia Brady clarified that award amounts used to be between the amounts of \$200-\$500 but this year the board may give less grants for more money. The application has been updated for 2023 and staff removed the requirement for teachers to take the USGBC course. Instead, grant recipients will have to submit a video to the board showcasing their project. Sara would like for the KWPB&S board to do multiple check-ins with grant recipients to help offer guidance and support with their projects.

Sara gave an update on Quanta, who is doing the 80% renewable energy feasibility study. Staff met with Quanta two weeks ago to discuss their goals and plan for the study. The next meeting will go over the city's carbon emissions, past information and data conducted, EV car charging stations, what EV car charging stations look like. The study should be done by February 2023.

Sara also provides updates about the Energy Efficiency Study, which is on the same timeline as Quanta. 15 Lightyears will be running this project and they will conduct studies on all City buildings. In the past, as only a few were audited. The study will help with not only energy efficiency, but also decreasing energy bills.

Sara gave updates about the Sustainability Action Plan, which will be brought in front of the City Commission on October 27th from 1-3PM in the City Chambers. KWPB&S board members are encouraged to attend and show their support. Gloria Eby and Sara Miller met twice on October 18th, 2022 to finalize all edits for the SAP. They have also met with Commissioner Weaver and Mary Dipboye from the Utilities Advisory Board who provided edits and suggestions. There will be a zoom link and agenda sent to the board members to access the SAP draft. There will be a presentation with the indicators in each section and the updated changes. Sara is confident that the SAP will be adopted, as one of the only reasons that wasn't adopted from the Commission last year was the 100% renewable goal. There have been new goals and indicators added since the last Sustainability Manager's copy was put in front of Commission. Cary Bond asked if it would be more cost effective to get a new software program to update the SAP data each year. Sara said yes but hasn't looked into programs yet. There would be benefits to having a software program such as having access to customer support and being able to train future employees easier. Kay Hudson asked about available platforms and Sara responded that some do more than what staff need for the city's SAP. There are also indicators that were created by previous staff members, and therefore there is not software that is programmed to evaluate the data. Sara wants a program that reports the Greenhouse Gas Emissions and she likes the program that OCPS uses, called Energy Cap.

Sara introduced the Center Street project and Green Business Update. Combating the problem started in 2018 by Vanessa Balta. Center Street is located behind Park Avenue, where all the businesses have their shared roll offs for garbage, grease traps, and cardboard recycling. The street is mismanaged as trash is not being disposed of properly and recycling is being contaminated. In 2018, Vanessa received funding from the Beyond34 initiative, to have MSW perform a waste audit. The businesses were found to be struggling with recycling and contamination due to the high turnover of employees at the restaurants. Sustainability has met with the Assistant City Manager and have been in communication with O-Town Compost to discuss starting a composting program for Center Street. This would hopefully help with the smell. Staff also met with the Underground Refuse company to discuss the possibility of installing underground waste vaults. These are popular in Europe and installed in two cities in Florida. This option would be a very expensive undertaking. Sara and Mia plan to work with the businesses that use Center Street for better education. They will start being fined for improper disposal of their waste. Stephen Pategas recommended painting signage on the ground around the dumpsters so that they will be easier for people to understand. Kay Hudson also brought up the recycling issue of number 5 plastics. A recycling company is trying to work with Waste Pro to get all the number 5s, Sara Miller has the idea to talk to Waste Pro and see if they can supply Center Street with specific bins for recycling number 5 materials. Sustainability is struggling to get consistent communication with the businesses backing Center Street. In the future there might need to be support coming from Chamber of Commerce and various other departments to help the businesses on Park Avenue. Stephen also asked if there was a way to encourage businesses to be more engaged with the City when it comes to recycling. Sara Miller responded that the Chamber of Commerce is having a 100-year anniversary at Mead Gardens with art made from recycled material, in order to attend the event, you must have a piece of artwork made from recycled material. Stephen wants to see the Chamber working with the Board on more impactful projects, such as Center Street Project. He also suggests awarding the businesses for their recycling efforts once the Center Street Project is developed. Sara is exploring an idea of potentially giving these businesses a rebate for their sustainability efforts and developing an SAP of their own. Sara asked if any members of the board have contacts with the Chamber of Commerce or people that own businesses on Park Avenue, as they could help staff form relationships. Eventually, staff would like to have these businesses meet quarterly to collaborate and communicate their sustainability efforts.

Staff members and interns will be at Mead Garden's Backyard Biodiversity event on Saturday October 22nd, 2022. Kay Hudson encouraged everyone on the board if they can, to volunteer their time to come and educate at the tables.

(5) Non-Action Items

No Non-Action Items.

(6) Action Items

No Action Items.

(7) Public Hearings

No Public Hearings.

(8) Board Comments and Green Minute

Carey Bond elaborates on her experience with the underground refuse system during her time in Portugal. She saw the vaults throughout the streets and neighborhoods.

Johnny Miller brought up that the next big engagement event, which will be on December 17th. The Natural Resources and Sustainability Department will be “piggybacking” off of the City’s Tuba Christmas event. They are planning on adding a sustainability aspect to the event, reminding people to use LED lighting for Christmas, educating residents about how to dispose of Christmas trees, and suggesting sustainable wrapping options.

Stephen Pategas mentioned that everyone would be receiving an email with a separate attachment for the America in Bloom process. He expressed concern about staffing issues and running out of time to get everything organized. Sara Miller and Mia Brady have a strategic planning meeting coming up for 2023 and they will discuss the possibility of doing the program in 2023.

(9) Adjournment

Kay Hudson made a motion to adjourn and Carey Bond seconded. Meeting adjourned at 12:59 PM

Minutes approved the board on mm/dd/yyyy.
/s/ Recording Secretary Victoria Tabor



Keep Winter Park
Beautiful &
Sustainable
Advisory Board

agenda item

item type	Action Items	meeting date	November 15, 2022
prepared by	Victoria Tabor	approved by	
board approval			
strategic objective			

subject

Green School Grant Award Fund 2023

motion / recommendation

Board to vote on monetary value cap for 2023 awardees.

background

alternatives / other considerations

fiscal impact



Keep Winter Park
Beautiful &
Sustainable
Advisory Board

agenda item

item type Non-Action Items	meeting date November 15, 2022
prepared by Victoria Tabor	approved by
board approval	
strategic objective	

subject

Backyard Chicken Ordinance

item list

- Ordinance to be considered for approval at Commission Meeting to be determined due to Tropical Storm Nicole.

motion / recommendation

background

The Backyard Chicken Program was established in 2020 as a pilot program. Upon conclusion, the program was proven to be successful. Staff is recommending to approve amendment to the ordinance implementing the Backyard Chicken Program as permanent program.

alternatives / other considerations

fiscal impact

ATTACHMENTS:

[Backyard_Chicken_Ordinance_11-2-2022](#)

ATTACHMENTS:

[Backyard Chicken - SFinance_Co22110109040](#)

ORDINANCE ____

AN ORDINANCE OF THE CITY COMMISSION OF THE CITY OF WINTER PARK, FLORIDA, AMENDING ORDINANCE 3182-20 TO KEEP AS PERMANENT THE REGULATIONS FOR THE ISSUANCE OF BACKYARD CHICKEN PERMITS AND THE KEEPING OF BACKYARD CHICKENS ADOPTED BY ORDINANCE 3182-20; AMENDING SECTION 18-18 OF THE CITY CODE CONCERNING GENERAL CONDITIONS FOR THE KEEPING OF BACKYARD CHICKENS; PROVIDING FOR CONFLICTS, SEVERABILITY, CODIFICATION, CORRECTION OF SCRIVENER'S ERRORS, AND AN EFFECTIVE DATE.

WHEREAS, the City of Winter Park established a backyard chicken pilot program pursuant to Ordinance 3182-20 adopted on September 9, 2020; and

WHEREAS, Section 3 of Ordinance 3182-20 provided for a 24-month expiration of the backyard chicken pilot program after the September 9, 2020 adoption of Ordinance 3182-20; and

WHEREAS, the City has determined that the backyard chicken pilot program has been successful and now desires to incorporate the backyard chicken program permanently into the City Code;

WHEREAS, the City desires to keep in place and codified into the City Code the backyard chicken program regulations adopted by Ordinance 3182-20; and

WHEREAS, the Winter Park City Commission hereby finds and declares that this Ordinance is in the best interest of the public health, safety, and welfare.

NOW, THEREFORE, BE IT ENACTED BY THE CITY COMMISSION OF THE CITY OF WINTER PARK, FLORIDA, AS FOLLOWS:

SECTION 1. Recitals. The above recitals are incorporated herein by reference and form an integral part of this Ordinance.

SECTION 2. Expiration of Backyard Chicken Program Deleted. Section 3 of Ordinance 3182-20 is hereby amended to delete the 24 month expiration of the backyard chicken program so that the provisions of the City Code adopted by Ordinance 3182-20 into Section 1-24, Section 18-16, Section 18-18 and Section 58-71(i)(11) remain codified in the City Code, valid, effective and unexpired. The allowance of chickens in single-family residential zoning designations (R-1A, R-1AA, and R-1AAA) pursuant to the regulations of the backyard chicken program and other applicable code provisions remain in place. Except as amended by this Ordinance, Ordinance 3182-20 is hereby ratified and remains valid and effective.

SECTION 3. Chapter 18, Animals, Article I, Section 18-18 "General Conditions for the keeping of backyard chickens" is hereby amended as shown below (underlined language are additions; ~~stricken through~~ language are deletions):

Sec. 18-18. – General Conditions for the keeping of backyard chickens pilot program.

Any person keeping chickens as an accessory to an occupied dwelling shall be subject to the following restrictions:

- 1) Permit Required. A Backyard Chicken permit (hereinafter “permit”), is required for the keeping of chickens. The permit is personal to the permittee and may not be assigned. If the person applying for the permit is not the fee simple owner of the subject property, the fee simple owner must provide owner authorization and written consent to the application. The fee for the permit will be set by Resolution of the Winter Park City Commission.
- ~~2) The applicant shall include written consents/approval of the keeping of chickens on their premises from all abutting property owner(s). Upon receipt of a permit application, the Building Official shall determine if the application is complete and contains the required consents/approvals. For the purposes of this subsection, “abutting property owner(s)” means those private property owner(s) owning fee simple interest in property sharing a boundary line with the applicant’s property that is the subject of the application.~~
- ~~2) During the pilot program, The City of Winter Park staff shall be permitted to perform follow-up inspections on the premises where permits have been issued for the keeping of chickens. Inspections shall be to ensure that all of the program criteria are being met. Staff will keep a record of the progress and conditions for evaluation at the end of the 24-month program. In the event the City Commission does not act to continue the program prior to said termination date, all persons with backyard chickens shall be grandfathered and be able to keep their chickens so long as no new ones are added and the guidelines and regulations of the pilot as set forth herein are maintained.~~
- 3) Up to four chickens may be kept at an occupied single family residence upon receiving a permit from the City.
- 4) Ducks, geese, turkeys, peafowl, male chickens/roosters, pigeons, or any other poultry or fowl are not allowed.
- 5) Chickens are not allowed on duplex, triplex, townhomes, multifamily properties, community gardens, or any other uses.
- 6) Chickens must be secured within a covered chicken coop, chicken tractor, or fenced pen/run area at all times and are not allowed to run at large upon any public properties or off the premises of the owner. Chickens must have access to food and water at all times. The coop and pen/run area must be completely secured from predators with hardware cloth or similar material. Chicken wire shall not be used.

- 7) The coop and pen/run area must be cleaned regularly and kept free of insects and rodents. Odors from chickens, chicken manure, or other items associated with the keeping of chickens must not be perceptible at the property boundaries. Chickens must not be permitted to create a nuisance consisting of noise or pests, or contribute to any other nuisance condition.
- 8) No manure may be allowed to accumulate on the floor of the coop or ground. All feed and other items associated with the keeping of chickens that are likely to attract or to become infested with rodents or other pests shall be kept in a rodent and pest-proof container.
- 9) Composting of chicken manure is allowed in an enclosed bin. The composting bin shall be kept at least 20 feet away from all property lines. Waste materials (feed, manure and litter) not composted must be bagged and disposed of in the trash.
- 10) Chickens must be kept for personal use only. Selling chickens, eggs, feathers, or chicken manure, or the breeding of chickens is prohibited.
- 11) Chickens may not be slaughtered on premises.
- 12) Any person who violates any provision of the article will, upon conviction, be punished as provided in Section 1-7 of this Code. Additionally, the building official has the sole discretion to revoke the permit and require that the chickens be removed within 10 days if he or she determines that the permittee is in violation of the requirements of the Code.
- 13) Violation of this section or other requirements of the backyard chicken program shall constitute a class II civil infraction in accordance with section 1-24, City Code. A repeat citation for a violation of this section will incur double the penalty of the first infraction. A third citation for a violation will result in the participant being removed from the program.

SECTION 4. CONFLICTS. The provisions of this Ordinance shall prevail in the event of conflict with the provisions of any existing ordinance.

SECTION 5. CODIFICATION. The city clerk and the city attorney shall cause the Code of the City of Winter Park, Florida, to be amended as provided by this Ordinance and may renumber, re-letter, and rearrange the codified parts of this Ordinance if necessary to facilitate the finding of the law and/or consistency with the Code.

SECTION 6. SCRIVENER'S ERROR. The city attorney may correct scrivener's errors found in this Ordinance by filing a corrected copy of this Ordinance with the city clerk.

SECTION 7. SEVERABILITY. If any provision of this Ordinance or its application to any person or circumstance is held invalid, the invalidity does not affect other provisions or

applications of this ordinance which can be given effect without the invalid provision or application, and to this end the provisions of this Ordinance are severable.

SECTION 8. EFFECTIVE DATE. This Ordinance is effective upon adoption.

ADOPTED at a regular meeting of the City Commission of the City of Winter Park, held in City Hall, Winter Park, Florida this _____ day of _____, 2022.

Phillip M. Anderson, Mayor

ATTEST:

Rene Cranis, City Clerk

City of Winter Park Backyard Chickens Pilot Program Overview 2022

On May 24, 2022, I reached out via email to the four city of winter park residents to get a feel for how their Backyard Chicken Program was going. On the email I asked the following questions:

1. How was the pilot program going (positives / negatives?)
2. Concerns from your neighbors?
3. How are you handling the chickens waste?
4. What breed of hens do you have?
5. Average numbers of eggs per week?
6. Type of chicken coop they are using?
7. General comments?

The residents that replied were:

Alexis Edouard - 2260 Cady Way (email)

Andrew Dubill – 130 W. Reading Way (email)

Michael Samuel 1420 Bonnie Burn Circle (phone)

Catherine Weibel – 1200 Sharon Place (no reply)

All of the families involved with the pilot program gave overwhelming positive reviews on how they enjoyed the program, how it was a fantastic learning experience for the children in their neighborhood, NO complaints from their neighbors (the neighbors took ownership of the chickens also) and how much fun it was to give eggs to their family, friends and neighbors!

2260 Cady Way

Johnny Miller

From: James & Alexis Edouard <edouard7982@gmail.com>
Sent: Friday, May 27, 2022 11:23 AM
To: Johnny Miller
Subject: [External] Re: Backyard Chicken Pilot Program

Follow Up Flag: Follow up
Flag Status: Flagged

Categories: Green Category

[Caution: This email originated from outside the City of Winter Park email system. Before clicking any hyperlinks, verify the real address by hovering over the link. Do not open attachments from unknown or unverified sources.]

It was great to speak to you today! I'm not home now but I will forward pictures of my coop and input from my neighbors as soon as I can secure them.

Responses to the other questions below.

Thanks,
Alexis Edouard
407-929-2319

Sent from my mobile device.

On May 24, 2022, at 8:55 AM, Johnny Miller <JMiller@cityofwinterpark.org> wrote:

Good Morning,

My name is Johnny Miller and I am with the City of Winter Park new Natural Resources and Sustainability Dept.. The reason for this email is to see how the Backyard Chicken Pilot Program (Ordinance 3182-20) is going! The city needs your feedback on a few questions (below) before the pilot program comes to an end and hopefully becomes a city ordinance.

1. How is your Pilot program going (positives / negatives)? - It is going well! We have been enjoying having chickens and the joy it has brought to my children and my neighbors children is fun to watch. Several of my neighbors enjoy visiting the chickens, learning about how to care for them, and collecting the eggs.
- 2.

3. Any concerns from your neighbors? - I have checked with my neighbors several times since getting chickens and they haven't expressed any concerns. Yes, the chickens do make a small amount of noise but certainly not as much as a barking dog.
4. How are you handling the chickens waste? - I am composting the waste along with household food scraps and yard waste in a compost tumbler.
5. What type of hens do you have? - Polish
6. What is your average number of eggs per week? - 24
7. What Type of Chicken Coop do you have? (It would be great if you could email me a picture of your coop) PawHut 75" Wooden Hen House...
https://www.amazon.com/dp/3006GYNIR6?ref=ppx_pop_mob_ap_share
8. General Comments about the Pilot Backyard Chicken program? - Thank you for this opportunity to have these gentle pets! They are a welcome addition to my "suburban homestead" and help me to keep waste and fertility on my own property and as a bonus, we can have eggs to feed our family.

Thank you for your time and I look forward to meeting you and your chickens 😊!

Any questions PLEASE feel free to call 407-599-3463

Johnny Miller
City of Winter Park Natural Resources and Sustainability
Event and Engagement Manager

Johnny Miller

From: L McCollough <laurenmcmo@gmail.com>
Sent: Saturday, May 28, 2022 6:43 PM
To: Johnny Miller
Subject: [External] Chickens in the city!

[**Caution:** This email originated from outside the City of Winter Park email system. Before clicking any hyperlinks, verify the real address by hovering over the link. Do not open attachments from unknown or unverified sources.]

Dear Mr Miller,

My family is neighbors with Alexis and family (we are at 2300 Cady Way) and I understand feedback is welcome on the chicken program that our neighbors are a part of. We have 2 dogs and a toddler and wondered if the chickens would drive them crazy. The opposite has been true - our child loves the sound of the chickens in the morning and the dogs are surprisingly indifferent. As for the adults, we love the little bit of bucolic it brings to our "city" life. We have not experienced any negative impacts from having the chickens next to us but rather it has enriched our lives (we also benefit from fresh eggs gifted to us!). We think this is a great initiative and are grateful that the city has chosen to pursue it. Please do contact us if you have any questions.

Best
Lauren McCollough
+1 407 227 2948

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Lauren McCollough
Tel: +1 407 227 2948
E-mail: laurenmcmo@gmail.com

Johnny Miller

From: James & Alexis Edouard <edouard7982@gmail.com>
Sent: Friday, May 27, 2022 3:46 PM
To: Johnny Miller
Subject: [External] Picture of coop last year

[Caution: This email originated from outside the City of Winter Park email system. Before clicking any hyperlinks, verify the real address by hovering over the link. Do not open attachments from unknown or unverified sources.]

This is when our coop was new. My youngest daughter (pictured) is autistic and she has grown so gentle as a result of having chickens to care for.

Picture
5/27/22

Johnny Miller

From: Andrew Dubill <adubill@avantiprop.com>
Sent: Monday, May 30, 2022 9:34 AM
To: Johnny Miller
Subject: [External] Re: Backyard Chicken Pilot Program
Attachments: IMG_9928.HEIC

[**Caution:** This email originated from outside the City of Winter Park email system. Before clicking any hyperlinks, verify the real address by hovering over the link. Do not open attachments from unknown or unverified sources.]

Good afternoon Johnny,

Thanks very much for being in touch. Please see my responses below! If you have any further questions, please do not hesitate to let me know.

Andrew Dubill

From: Johnny Miller <JMiller@cityofwinterpark.org>
Date: Tuesday, May 24, 2022 at 8:55 AM
To: "'michael.samuel@seacoastbank.com'" <michael.samuel@seacoastbank.com>, "'edouard7982@gmail.com'" <edouard7982@gmail.com>, Andrew Dubill <adubill@avantiprop.com>, "'caweibel@hotmail.com'" <caweibel@hotmail.com>
Cc: Gloria Eby <geby@cityofwinterpark.org>, Johnny Miller <JMiller@cityofwinterpark.org>
Subject: Backyard Chicken Pilot Program

Good Morning,

My name is Johnny Miller and I am with the City of Winter Park new Natural Resources and Sustainability Dept.. The reason for this email is to see how the Backyard Chicken Pilot Program (Ordinance 3182-20) is going! The city needs your feedback on a few questions (below) before the pilot program comes to an end and hopefully becomes a city ordinance.

1. How is your Pilot program going (positives / negatives)?

We have been very pleased with the Pilot program. It's really been a fantastic experience.

2. Any concerns from your neighbors?

None. They seem to enjoy the eggs that we are able to give them from time to time!

3. How are you handling the chickens waste?

We clean our coop once a week, and liberally apply fresh pine shavings with each weekly change. We dispose of the old shavings in a heavy-duty contractors waste bag in our weekly trash pick-up. Our goal was to have zero detectable odors emanating from the coop and we have been pretty successful in doing that.

4. What type of hens do you have?

We have three hens – 1 Rhode Island red, 1 buff orpington, and 1 black star.

5. What is your average number of eggs per week?

About 21 – 3 per day.

6. What Type of Chicken Coop do you have? (It would be great if you could email me a picture of your coop)

It's called a Rugged Ranch "Pueblo Grande." It has been quite sturdy and durable so far.

7. General Comments about the Pilot Backyard Chicken program?

We enrolled in the program at the behest of our two children, and frankly were a bit apprehensive at first. But it turned out to be a wonderful endeavor – the chickens require far less work than other pets we own, and the steady stream of fresh eggs are a huge hit. We're grateful that the city launched this program, and I think the city's regulations are reasonable and strike a really good balance.

Thank you for your time and I look forward to meeting you and your chickens 😊!

Any questions PLEASE feel free to call 407-599-3463

Johnny Miller
City of Winter Park Natural Resources and Sustainability
Event and Engagement Manager

Johnny Miller

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Responses to the other questions below.

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Alexis Edouard
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https://www.amazon.com/dp/B006GYNIR6?ref=ppx_pop_mob_ap_share
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Johnny Miller
City of Winter Park Natural Resources and Sustainability
Event and Engagement Manager

Johnny Miller

From: Kristina Worthy <kiersfaith@gmail.com>
Sent: Friday, May 27, 2022 11:54 AM
To: Johnny Miller
Subject: [External] Chicken Project

Categories: Green Category

[Caution: This email originated from outside the City of Winter Park email system. Before clicking any hyperlinks, verify the real address by hovering over the link. Do not open attachments from unknown or unverified sources.]

Hello, I am a neighbor of Alexis Eduard. I just wanted to say that I think the chicken pilot program should continue. We should be allowed to have chickens in the city

2250 Cady Way



Keep Winter Park
Beautiful &
Sustainable
Advisory Board

agenda item

item type Non-Action Items	meeting date November 15, 2022
prepared by Victoria Tabor	approved by
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strategic objective	

subject

December Meeting

motion / recommendation

background

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fiscal impact



Keep Winter Park Beautiful & Sustainable Advisory Board

agenda item

item type Staff Updates	meeting date November 15, 2022
prepared by Victoria Tabor	approved by
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strategic objective	

subject

Quanta Update

item list

- Data has been submitted from CWP (City of Winter Park)
- Quanta is reviewing data
- Next steps is a workshop with staff

motion / recommendation

background

alternatives / other considerations

fiscal impact



Keep Winter Park Beautiful & Sustainable Advisory Board

agenda item

item type	Staff Updates	meeting date	November 15, 2022
prepared by	Victoria Tabor	approved by	
board approval			
strategic objective			

subject

Energy Efficiency Study

item list

- 15 Lightyears is planned to do most efficient and feasible buildings

motion / recommendation

background

alternatives / other considerations

fiscal impact



Keep Winter Park
Beautiful &
Sustainable
Advisory Board

agenda item

item type Staff Updates	meeting date November 15, 2022
prepared by Victoria Tabor	approved by
board approval	
strategic objective	

subject

SAP Update – Dec 15, 2022 1 PM to 3 PM

item list

- Workshop moved from Oct 27 to Dec 15
- SAP complete

motion / recommendation

background

alternatives / other considerations

fiscal impact

ATTACHMENTS:

[Sustainability Action Plan 2022_Final Draft](#)



Winter Park Sustainability Action Plan

2022 Update

Presented by:

Gloria Eby, Natural Resources and Sustainability Director

Sara Miller, Sustainability Manager

Mia Brady, Sustainability Specialist

Keep Winter Park Beautiful & Sustainable Advisory Board

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Background

Vision and Purpose

The 2022 Sustainability Action Plan (SAP) updates and expands upon the City of Winter Park's 2015 SAP. The purpose of the SAP remains the same, to create a roadmap depicting where the city is today and where it would like to be in the future, in regard to sustainability.

The city defines sustainability as responsible and proactive decision-making that minimizes negative impact and maintains balance between social, environmental, and economic growth to ensure a desirable environment for all species now and into the future.

By integrating elements of this plan, Winter Park will:

- Increase quality of life while improving individual and community health
- Become more independent from energy derived from fossil fuels
- 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. The plan is a living document intended to evolve over time as the city experiences both progress and challenges.

A progress report will be presented to the City Commission on an annual basis. This annual report will include:

- Summary of progress made toward the previous year's indicators and actions
- Proposed project/action list
- Estimated project costs
- City staff and budget allocations
- Outside funding opportunities

History

On January 14, 2008, the Winter Park City Commission passed a resolution stating the City would pursue measures to become a certified Green Local Government through the [Florida Green Building Coalition](#) (FGBC). In 2009, Public Works Director Troy Attaway hired Tim Maslow to coordinate the city's sustainability efforts and to develop a plan for achieving the certification. In 2011, after working with each department on a multitude of new projects, policies and programs, the city was officially certified as a Green Local Government at the Gold level, also earning the highest score for a local government that year. The SAP was originally drafted based upon the structure provided by the Green Local Government certification.

In 2012, the city's Environmental Review and Keep Winter Park Beautiful (Keep America Beautiful affiliate since 1993) boards merged with a shared focus of improving community sustainability and achieving the Green Local Government Platinum certification. The new Keep Winter Park Beautiful and Sustainable (KWPB&S) Advisory Board held monthly workshops in addition to their regularly scheduled monthly board meetings in an effort to develop and refine the SAP with community involvement. The 2015 SAP, presented by Kris Stenger, Assistant Director of Building, Permitting and Sustainability and Abby Gulden, Sustainability and Permitting Coordinator, was accepted by unanimous vote of the City Commission on February 9, 2015.

2012-2013 KWPB&S Board Members		2014-2015 KWPB&S Board Members	
Mary Dipboye, Chair	James (Bob) Robinson	Michael Poole, Chair	Mark Roush
Stephen Pategas, V. Chair	Pat Schoknecht	Stephen Pategas, V. Chair	Bruce Thomas
Michele Hipp	Julia Tensfeldt	Michele Hipp	Steven DiClemente
Michael Poole	Kent Tse	Raymond Randall	Mary Dipboye
Raymond Randall	Laura Walda	Pat Schoknecht	John Tapp
John Rife	Carol Kostick	Julia Tensfeldt	Fred Kosiewski
Lucy Roberts	Mark Roush	Laura Walda	Cathy Blanton
Joseph Robillard		Carol Shenck (Kostick)	

About the 2022 SAP Update

Overview

The year 2020 was the first target year for many of the 2015 SAP metrics. Due to the COVID-19 pandemic, data from 2020 is not comparable to previous years. For this reason, trend data for the 2021 document were only expressed through the year 2019 (pre-COVID-19 pandemic). The city's progress toward the 2015 SAP Objectives, Indicators, and Actions through 2020 is provided in the 2020 Annual Report available at cityofwinterpark.org/sap.

The 2021 SAP revises baselines, where necessary, for more complete and accurate data collection and analysis. It also includes a new category, Climate Resiliency, to help the City better understand and withstand weather and climate-related risks and vulnerabilities. The update also includes actions to apply a [racial equity lens](#) to ensure a future where race can no longer be used to predict life outcomes and where outcomes for all groups are improved.

During 2021, many programs and goals were suspended due to prior sustainability staff no longer employed at the city. In 2022, the Sustainability Program was moved to the newly created Natural Resources and Sustainability Department. The 2022 SAP revision contains edits made to the 2021 SAP being implemented by the Sustainability Division consisting of the Sustainability Specialist, Sustainability Manager, and Natural Resources and Sustainability Director.

In addition, as a result of the above-mentioned delays, the Department of Natural Resources and Sustainability conducted a comprehensive inventory of all SAP metric indicators to benchmark city status in effort to give the new Department a starting point on data trend and analysis moving forward. This information is presented in subsequent tables labeled as “**2021 Status**”.

2021 SAP Update Community Engagement Process

The 2021 SAP integrates discussion and feedback from joint virtual KWPB&S Advisory Board work sessions, which allowed for public comments, with the following city advisory boards and respective staff liaisons: Economic Development, Lakes and Waterways, Parks and Recreation, Tree Preservation, Planning and Zoning, and Transportation and Utilities. Additional community input on SAP priorities were gathered using an online survey that had over 200 respondents (over two-thirds were identified as residents). Community input was also gathered from community organizations via an online survey from Hannibal Square Heritage Center, Ideas for Us Orlando, League of Women Voters Orange County, The Nature Conservancy, Winter Park Garden Club, Winter Park History Museum, and Winter Park Public Library.

Keep Winter Park Beautiful & Sustainable Advisory Board

The mission of Keep Winter Park Beautiful and Sustainable (KWPB&S) Advisory Board is to make recommendations to the city commission concerning matters to improve the quality, health, sustainability and aesthetics of our environment in order to create a healthier, more beautiful place to live, work, and play.

2022 KWPB&S Board Members	Appointed By	End of Term
Ben Ellis, Vice Chair	Mayor Anderson	2024
Carey Bond	Commissioner DeCiccio	2023
Mark J Yonker	Commissioner Cruzada	2025
Kay Hudson, Chair	Mayor Anderson	2024
Stephen Pategas	Commissioner Weaver	2025
Rishona S Teres	Commissioner Sullivan	2023
Laura Gustafson-Hullinger	Mayor Anderson	2024

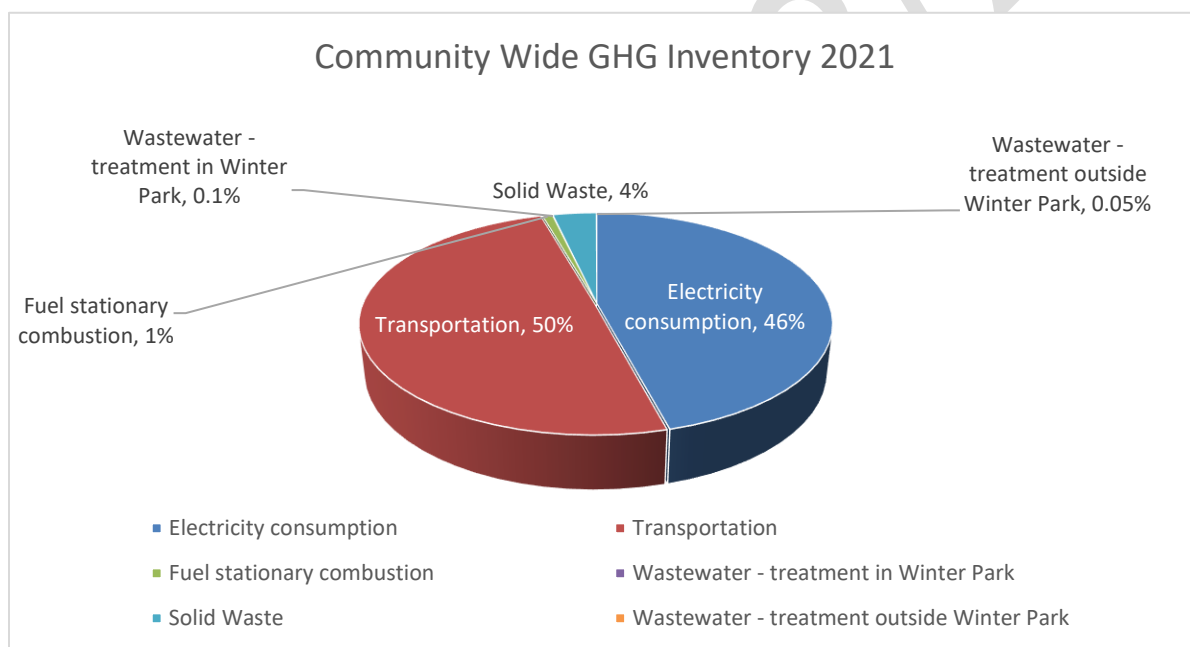
Highlights and Accomplishments

- [East Central Florida Regional Resilience Collaborative](#) Partner and Regional Greenhouse Gas Reduction Advisory Committee Member
- [Solar United Neighbors](#) Partner
- [America In Bloom's](#) 2020 Outstanding Achievement Award for Environmental Efforts
- [SolSmart](#) Gold Designee
- EV Charging Infrastructure Readiness Ordinances ([3203-21](#), [3204-21](#))
- Backyard Chicken Permit Pilot Program Ordinance ([3182-20](#))
- Single-use Products Policy for City Facilities Pilot Program Resolution ([2238-20](#))
- Electrified the Building & Permitting Department's entire fleet
- Purchased 20MW of utility-scale solar, expanding the city's renewable portfolio
- Launched [Green Business Recognition Program](#)
- Collaborations with UCF and Rollins College students on energy benchmarking and Green Business recruitment
- [Rollins College Bonner Leaders Program](#) Partner

- Awarded over \$100,000 in Florida Department of Transportation Keep America Beautiful Florida Affiliates Grants
- Single-stream Residential Recycling Program including [Schedule Reminding and Waste Lookup Tool Digital Service](#)
- Electric Vehicle Charging Stations available to the public throughout the city at no cost
- Residential audit and rebate programs encouraging [energy](#) and [water conservation](#)
- Sustainability Program moved to the Natural Resources and Sustainability Department where the Program now is addressed as a Division to work collaboratively with Lakes and other Departments
- Sustainability Specialist position was increased from part-time to full-time in order to help the Sustainability Manager and Natural Resources and Sustainability Director fulfill the goals of the SAP
- Awarded \$100,000 from the Department of Environmental Protection to go towards the City's Climate Risk Vulnerability Assessment

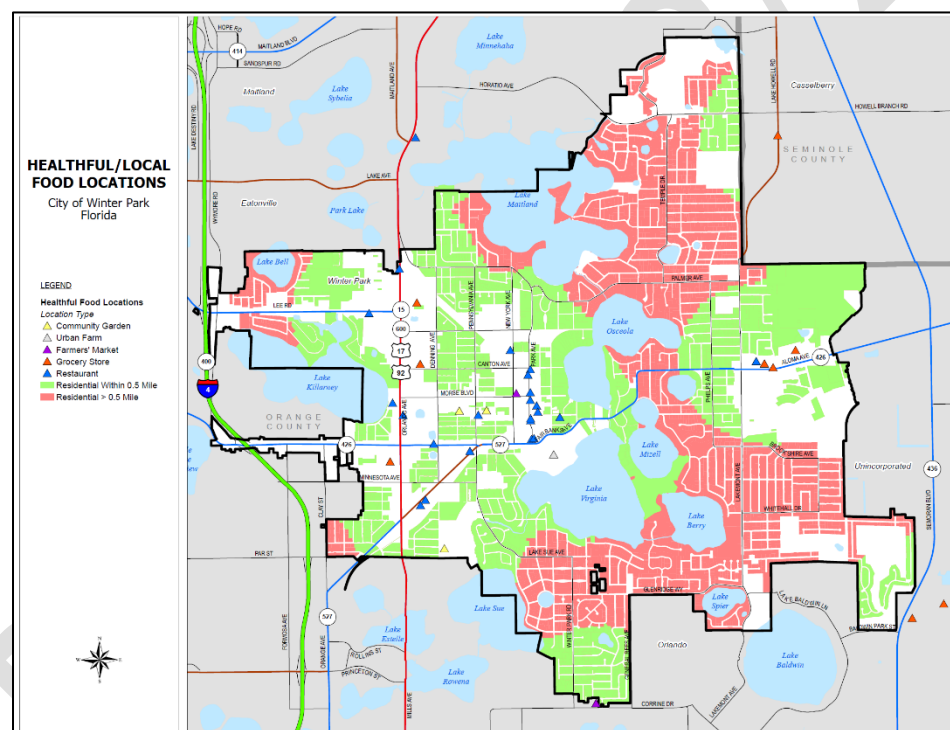
Climate Resiliency

The [Climate Resiliency](#) category outlines long-term objectives and short-term actions focused on improving the city's capacity to cope with [climate change](#) impacts and to respond in ways that allow the city to maintain its essential functions while also maintaining the capacity for adaptation, learning, and transformation. In 2021, the Intergovernmental Panel on Climate Change (IPCC) Sixth Assessment Report asserts that human activities are estimated to have caused approximately 1°C of global warming to date and further warming of 1.5°C and 2.0°C will be exceeded during the 21st century unless deep reductions in CO₂ and other [greenhouse gas](#) emissions occur in the coming decades. Warming at this level is projected to increase the mean temperature of most land and ocean regions, increase hot extremes in most inhabited regions, and increase climate-related risks to health, livelihoods, food security, water supply, human security, and economic growth.



The city's Community-wide Greenhouse Gas (GHG) Emissions Inventory consists of all major direct and indirect GHG emissions generated and occurring within the City of Winter Park's organizational boundary. Transportation-related (50%) and electricity consumption-related (46%) activities contribute the largest proportion of greenhouse gases emissions in the city. As a municipally owned-utility, the Electric Utility is uniquely situated to increase the percentage of its energy portfolio coming from renewable and clean alternative sources. Transitioning to 80% [renewable energy](#), for all electricity and transportation may be more feasible and accessible for the City of Winter Park than many of its neighbors given that it has purchasing power over its electricity and is implementing policies that will ready future developments for a transition to electric vehicles.

In May of 2022, the City of Winter Park was awarded \$100,000 in grant funding from the Florida Department of Environmental Protection to conduct a [Climate Risk Vulnerability Assessment](#) which will identify ways in which the city is susceptible to harm from climate threats and vulnerabilities. This uses science-driven data about climate threats and works with private/public organizations, the City's [Emergency Management](#) Team, and [FEMA](#). The scientific data is combined with information about the City of Winter Park's residents, assets, and businesses to better understand current and future challenges with long-term operability and recovery. Creating a Food Security policy, one that allows front yard structures (such as arbors, trellises), for growing edibles is one of many desired outcomes in strengthening the city's vulnerability. A key component would be delivering access to affordable, healthy food options (community gardens, or farmers markets) through a selection process involving community partners and investors. Below is a map illustrating healthy food locations within the Community Restoration area (CRA).



OBJECTIVES

1. Increase the city's resiliency to the impacts of climate change, ensuring a healthy, livable and sustainable community for present and future generations
2. Ensure a robust and resilient technology infrastructure with high-speed communications available for all
3. Increase proportion of renewable energy in Winter Park Electric Utility's Energy portfolio
4. Reduce community wide greenhouse gas emissions
5. Encourage on-site renewable energy generation for residential and commercial buildings

6. Ensure access to affordable, healthy food options for food security (community gardens, grocery stores or farmers markets)
7. Increase residential and commercial customers knowledge of city's renewable energy portfolio and opportunities for reducing their [carbon footprint](#)
8. Benchmark all indicators to current state of the city given pandemic and operational delays

The Department of Natural Resources and Sustainability conducted a comprehensive inventory of all SAP metric indicators to benchmark city status in effort to give the new Department a starting point on data trend and analysis moving forward. This information is presented in all subsequent tables labeled as “**2021 Status**”.

INDICATORS

	Indicator Description	2012 Baseline	2021 Status	2025 Target	2035 Target
CR-1	Proportion of renewable energy in Winter Park Electric Utility's Energy portfolio – Baseline Year: 2012 includes Covanta	4%	22%	40%	80%
CR-2	Community wide greenhouse gas emissions [Tons of carbon dioxide equivalent] ¹ – Baseline Year: 2018	398,919	405,394	10% less than baseline year	35% less than baseline year
CR-3	WP Electric Utility customers with Solar – Baseline Year: 2012	7	139	200	250
CR-4	Proportion of Residents within 1/2 mile of affordable, healthy food options – Baseline Year: 2012	-	46%	50%	75%

¹2018 is the earliest year of available transportation emissions data using [Google EIE tool](#)

²The baseline for this updated indicator will be calculated in 2023, previous indicator did not include “affordable” identifier

ACTIONS

Projected Implementation Year	Action	Accomplished	Status	Responsible Department/ Division
2022	Conduct Renewable Energy Feasibility Study	5.25.22 commission approved to move forward	Initiated	Sustainability Division, Quanta, & WP Electric Utility, Public Works
2023	Establish community grants for food security and sustainability initiatives	No	None	Sustainability Division

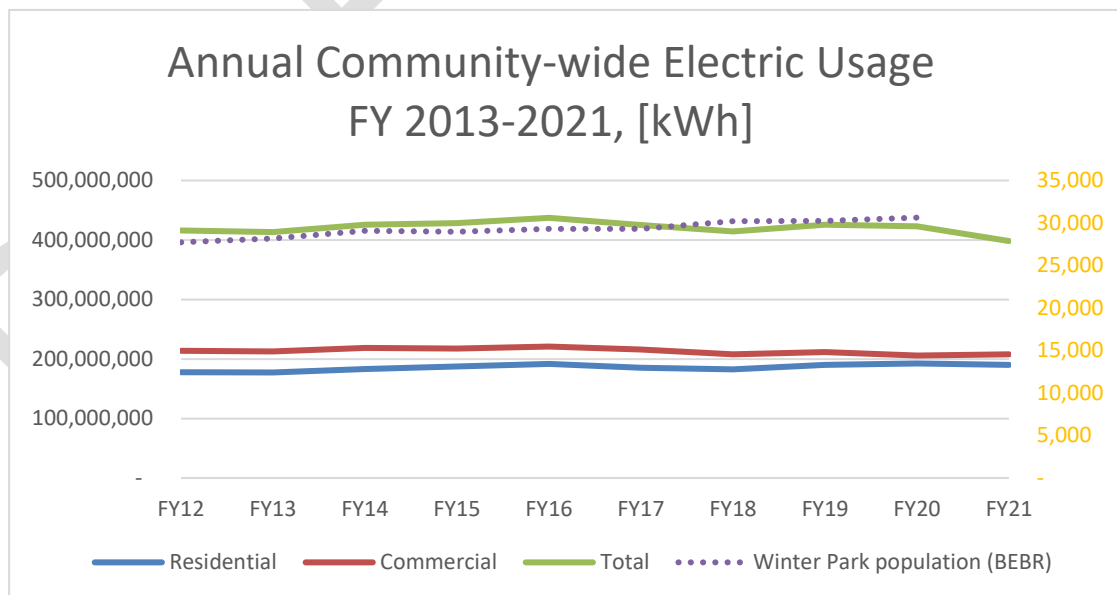
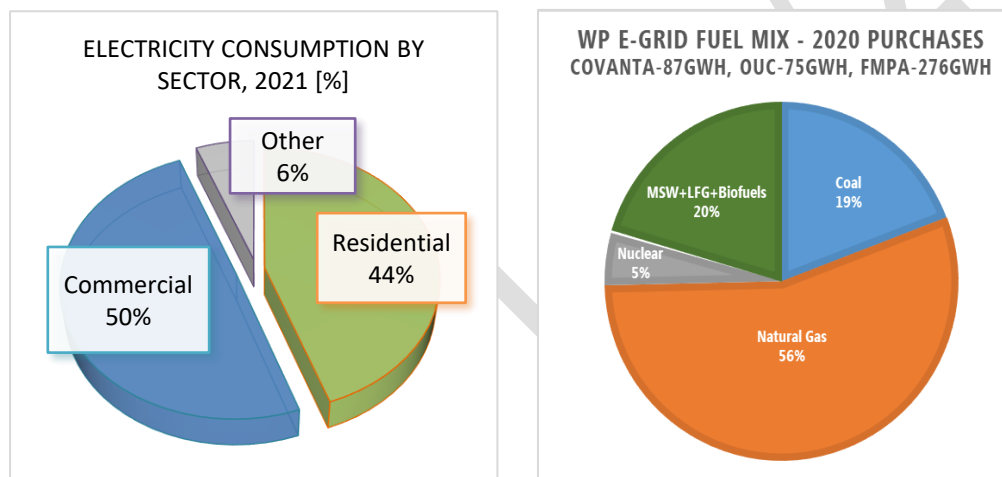
Projected Implementation Year	Action	Accomplished	Status	Responsible Department/ Division
2022	Implement an Artificial Turf Ordinance which will help mitigate the number of houses that have artificial turf by addressing stormwater and sustainability concerns	No	None	Sustainability Division, Public Works
2022	Adopt Backyard Chicken Program (exp. September 2022) to evaluate program outcomes and possibility of expanding and extending the program	No	Initiated	Sustainability Division, Planning & Transportation
2023	Upon feasibility study results, pass resolution committing the City to at least 80% of all electricity consumed in the City to come from renewable energy resources by feasible target date	No	Initiated	Sustainability Division, WP Electric Utility
2023	Conduct a Climate Risk and Vulnerability Assessment via FDEP Resilient Florida Program \$100K grant. Upon completion, create Climate Mitigation and Adaptation Plan (CMAP) to include creating resilience hubs within the city reducing impacts of climate change on human health, esp. for most vulnerable communities	No	Initiated	Natural Resources & Sustainability Dept., Emergency Management Team, Pubic Works, IT
2023	Build a community based sustainable food system which includes education and outreach that promotes seed access, growing edible gardens at home, encourages community supported agriculture, and local food consumption	No	None	Sustainability Division, Communications
2023	Implement a food security policy. Must have community garden/ farm near most vulnerable areas and educate on reducing consumption of carbon-intensive foods	No	None	Sustainability Division, GIS

Projected Implementation Year	Action	Accomplished	Status	Responsible Department/ Division
2024	Research and design policies to increase green building standard requirements in residential & commercial developments	No	None	Sustainability Division, Planning & Transportation, Building & Permitting, Economic Development
2024	Update Land Development Code, to allow food processing and handling in accordance with F.S. 500.80 (Cottage Food Operations) as a home occupation to encourage local food production	No	None	Planning & Transportation, Economic Development, Sustainability Division
Continue Annually	Develop a policy to replace gas-powered leaf blowers with electric alternatives	Yes	Completed	Sustainability Division, Economic Development
Continue Annually	Evaluate potential for increasing Winter Park Electric Utility's Energy Portfolio coming from renewable resources	Yes	Ongoing	Sustainability Division, WP Electric Utility
Continue Annually	Conduct Community-wide Greenhouse Gas Emissions Inventory and track proportion of renewables in the WP Electric Utility's portfolio. Continue to report to CWP	Yes	Ongoing	Sustainability Division
Continue Annually	Participate in Regional Sustainability and Resilience Professional Networks (Urban/Southeast/Florida Sustainability Directors Networks, East Central Florida Regional Resilience Collaborative, Good Food Central Florida Regional Policy Council, etc.)	Yes	Ongoing	Department of Natural Resources & Sustainability Dept.
Continue Annually	Provide green building best practices (e.g., energy/water efficiency, tree conservation, waste management) education to building professionals and residents	Yes	Ongoing	Building & Permitting, Sustainability Division, Urban Forestry

Projected Implementation Year	Action	Accomplished	Status	Responsible Department/ Division
Continue Annually	Energy Conservation Rebate Program	Yes	Ongoing	Sustainability Division
Continue Annually	Develop recommendations to City Commission that would allow for broadband availability, expanding public WiFi, and enhanced public safety and security	Yes	Ongoing	IT, Sustainability Division, Planning & Transportation, Police Dep., Public Works
Continue Annually	Explore opportunities for smart street lights able to gather local environmental data, optimize light energy consumption, and improve public safety	Yes	Ongoing	IT, WP Electric Utility, Planning & Transportation, Police Dept., Sustainability Division
Continue Annually	Work with Planning & Transportation Department to ensure Comprehensive Plan Update incorporates sustainability and resilience related goals, objectives and policies	Yes	Ongoing	Planning & Transportation, Sustainability Division

Energy

The Energy category focuses on measures that can reduce the environmental consequences of the construction, reconstruction and operation of buildings and infrastructure with a focus on energy efficiency, energy conservation, and clean energy sources. With buildings' energy usage contributing to nearly half of all of the community-wide greenhouse gas (GHG) emissions in 2021, implementing the prescribed actions is critical to achieving a more sustainable city. Electricity is primarily being used to power buildings for commercial (50%) and residential (44%) activities, while a smaller fraction (%) is being used to power city scale infrastructure such as streetlights and transporting water and [wastewater](#). Between 2012 and 2021, electric usage remained generally stable.



All utility data is sourced from the city's Comprehensive Annual Financial Reports, which can be reviewed on the city's website.

OBJECTIVES

1. Increase energy efficiency of residential and commercial buildings
2. Increase energy conservation in residential and commercial sectors
3. Increase solar energy in residential and commercial sectors
4. Increase educational awareness for energy efficiency and conservation best practices
5. Maintain utility rates that are competitively low for consumers

INDICATORS

	Indicator Description	Baseline	2021 Status	2025 Target	2035 Target
E-1	Energy usage in residential buildings [kWh/customer/year] – Baseline Year: 2012	15,263	14,739	12,000	10,000
E-2	Energy usage in commercial buildings [kWh/customer/year] ¹ – Baseline Year: 2012	91,850	86,704	80,000	75,000
E-3	Residential building audits performed annually – Baseline: Average # of audits/yr and between 2017-2020	63	91	125	200
E-4	Residential Rebates provided annually – Baseline: Average # of audits/ yr and between 2017-2020	-	26	75	100

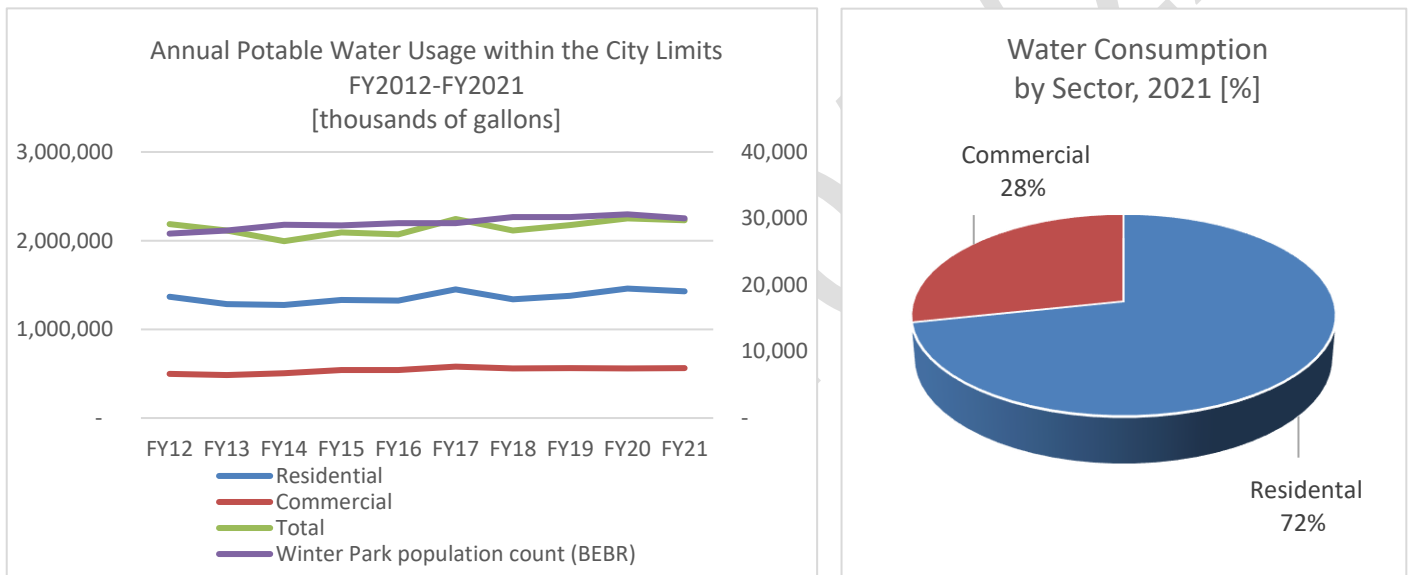
Projected Implementation Year	Action	Accomplished	Status	Responsible Department/ Division
2023	Internal employee energy conservation training – reduction in energy and water use that provides incentives to help motivate conservation	No	None	Sustainability Division; Human Resources
2023	Conduct Energy Efficiency Study benchmarking city buildings utilizing 70% of city electricity portfolio and identify technology to improve energy efficiency	No	Initiated	Sustainability Division, WP Electric Utility, WP Water Utility
2023	Implement Energy Efficient Technologies based on Energy Efficiency Study i.e motion detection lighting and programmable thermostats	No	Initiated	Sustainability Division, WP Electric Utility, Public Works

ACTIONS

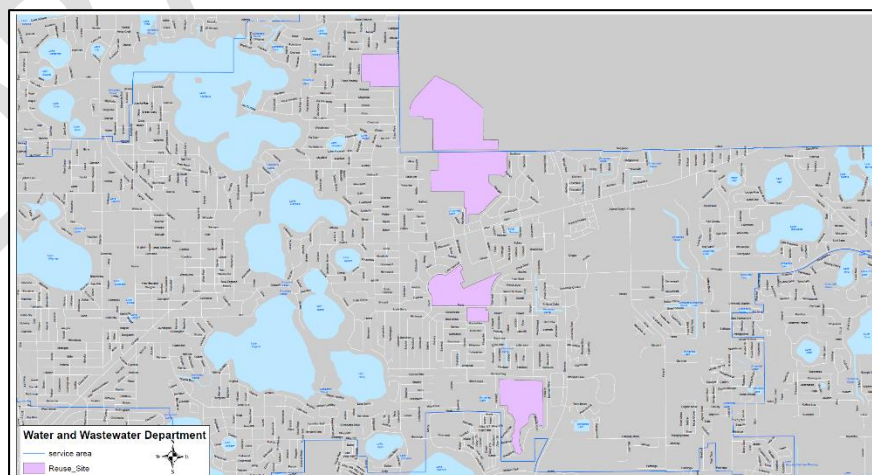
Projected Implementation Year	Action	Accomplished	Status	Responsible Department/ Division
2023	Explore incentive programs for commercial customers that encourage energy conservation	No	None	Sustainability Division, WP Electric Utility, Economic Development
2024	Identify methodology for expressing energy use intensity in kWh per square foot for residential and commercial customers via Smart Works Technology and Energy Star	No	None	GIS, IT, WP Electric Utility, Sustainability Division
Continued Annually	Maintain competitive rates for WP Utility Customers	Yes	Ongoing	Sustainability Division, WP Electric Utility, WP Water Utility
Continue Annually	Promote Energy Conservation opportunities such as audits and rebates, providing energy conservation kits, and solar feasibility reports for customers that undergo energy audits including local schools	Yes	Ongoing	Sustainability Division, WP Electric Utility, Communications
Continue Annually	Provide technical assistance and education to commercial property owners and tenants on Energy Star Portfolio Manager	Yes	Ongoing	Sustainability Division
Continue Annually	Continue to pursue clean transportation options. Expanding City Fleet and EV Charging Stations for commuters	Yes	Ongoing	Sustainability Division, WP Fleet Services, WP Utility

Water

The Water category focuses on measures that can increase water efficiency and water conservation in residential and commercial sectors. In the City of Winter Park, residential and commercial customers use potable water for indoor and outdoor (irrigation) purposes. Over the last decade, potable water has remained generally stable, reflecting the minimal change in population growth over that time. The majority of potable water consumed in the city is used by residential customers (71%), with nearly half of residential water usage being spent on irrigation. Implementation of technological tools, such as Advanced Metering Infrastructure (AMI), will allow for effective monitoring of water usage, efficiency, and recognizing irregularities. The city hopes to continue promoting irrigation rebate incentives in addition to providing water conservation education for residential, commercial, and Winter Park schools.



All utility data is sourced from the city's Comprehensive Annual Financial Reports, which can be reviewed on the city's website.



Water and Wastewater Service area in Winter Park including reuse areas.

OBJECTIVES

1. Increase water efficiency of residential and commercial buildings
2. Increase water conservation in residential and commercial sectors
3. Increase residential and commercial customers knowledge of water efficiency and conservation best practices and benchmarking tools
4. Implementing smart technologies to aid in water conservation efforts

INDICATORS

	Indicator Description	2012 Baseline	2021 Status	2025 Target	2035 Target
W-1	Water usage in residential buildings [gallons/customer/year] ¹	127,777	130,849	TBD	TBD
W-2	Water usage in commercial buildings [gallons/customer/year] ¹	294,098	303,788	TBD	TBD
W-3	<u>Reclaimed water</u> usage [million gallons/year] ²	144.5	91.612	10% increase	30% increase
W-4	Residential Rebates provided annually	-	34	75	150

¹Targets will be determined upon the renewal of St. Johns River Water Management District Consumptive Use Permit in 2025

ACTIONS

Projected Implementation Year	Action	Accomplished	Status	Responsible Department/ Division
2022	Create water conservation education to residential and commercial customers through on-line, print campaigns, and social media including water wise check list	No	Initiated	WP Water & Wastewater Utility, Sustainability Division, Communications, Economic Development
2022	Increase public awareness of Florida-friendly landscaping and irrigation regulations for city (internal), residential, and commercial customers; i.e. raingardens	No	Initiated	Natural Resources & Sustainability Dept., Communications
2023	Implement Sewer Impact Fee Deferral Program throughout the city to reduce both residential and commercial customer upfront costs for connecting to the sewer system	No	None	WP Water & Wastewater Utility

Projected Implementation Year	Action	Accomplished	Status	Responsible Department/ Division
2023	Explore a code requirement for commercial customers that encourages water conservation	No	None	Sustainability Division, WP Water & Wastewater Utility, Economic Development
2023	Amend ordinance for grease trap collection for above ground unit collection & maintenance	No	None	Sustainability Division, WP Water & Wastewater Utility, Stormwater Div, Economic Development
2024	Identify methodology for expressing water use intensity in gallons per capita upon renewal of SJRWMD Consumptive Use Permit	No	None	WP Water & Wastewater Utility, Sustainability Division
2025	Upon renewal of SJRWMD Consumptive Use Permit, review inverted water utility rate structure to increase water conservation efforts	No	None	WP Water & Wastewater Utility
2025	Upon renewal of SJRWMD Consumptive Use Permit, expand reclaimed water system	No	None	WP Water & Wastewater Utility
Continue Annually	Explore grant opportunities for septic to sewer conversion projects	No	Initiated	WP Water & Wastewater Utility; PW; Sustainability Division
Continue Annually	Using AMI system to identify customers in non-compliance with SJRWMD irrigation policies and provide non-compliant customers with water conservation best practices	Yes	Initiated	WP Water & Wastewater Utility, Sustainability Division
Continue Annually	Promote existing water conservation educational opportunities such as audits and rebates including Schools	Yes	Initiated	WP Water & Wastewater Utility, Sustainability Division, Communications
Continue Annually	Replace Advanced Metering Infrastructure (AMIs) to allow for new, more effective monitoring of water usage, system efficiency, detecting malfunctions and recognizing irregularities	Yes	Initiated	WP Water & Wastewater Utility

Community Engagement & Green Economy

The Community Engagement and [Green Economy](#) category outlines long term objectives and actions focused on encouraging residents, business owners, schools and other organizations in the city of Winter Park to begin incorporating more sustainable solutions in their daily activities. To foster and build upon a culture that values health, environmental stewardship, and financial wellbeing, the city will support public engagement campaigns to educate, inspire and offer some of the most cost effective, healthy and easy solutions. The campaign will seek to engage diverse partners and sectors of the community; create a shared community vision, goals and progress indicators of a low-carbon future; connect individuals and organizations to education, tools and resources; and celebrate positive changes and successes. A fully engaged community is the key to successfully making the city a more sustainable community.

OBJECTIVES

1. Communicate, educate and motivate residents to begin incorporating more sustainable solutions in their daily actions to change their behaviors in ways that support the objectives of the Sustainability Action Plan
2. Engage businesses, offer sustainable solutions and recognition for greening their daily operations that support the objectives of the Sustainability Action Plan
3. Provide opportunities for schools to implement sustainable practices in their daily operations that support the objectives of the Sustainability Action Plan
4. Work collaboratively with community organizations to identify and implement sustainable solutions that support the objectives of the Sustainability Action Plan

INDICATORS

	Indicator Description	Baseline	2021 Status	2025 Target	2035 Target
CEGE-1	Volunteer hours for Community engagement events – Baseline Year: 2012	240	1,304	No less than 1,500	No less than 2,000
CEGE-2	Green Businesses Recognized per year – Baseline Year: 2012	0	26	No less than 10	No less than 10
CEGE-3	Green School Grant Funding – Baseline: Average amount of funding between 2017-2020	\$3,300	\$2,890.00	Equal or more than \$3,500/year	Equal or more than \$3,500/year

ACTIONS

Projected Implementation Year	Action	Accomplished	Status	Responsible Department/ Division
2022	Re-participate in America In Bloom's annual nationwide competition in addition to researching grant opportunities to help aid KVPB&S	No	Yes	Sustainability Division, KWPBS Board, Communications

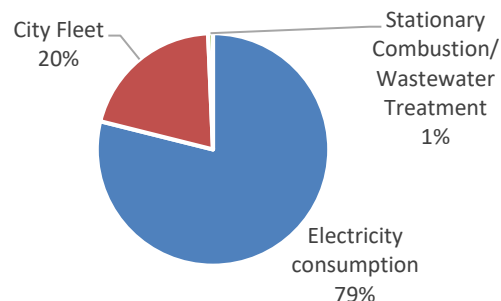
Projected Implementation Year	Action	Accomplished	Status	Responsible Department/ Division
2023	Create Green Event Guide and Volunteer Program for city events	No	None	Sustainability Division, Parks & Recreation, Communications
Continue Annually	Promote sustainability program initiatives through various social media platforms and traditional print media, at in-person events, and maintain and update Program's website	Yes	Yes	Sustainability Division, Communications
Continue Annually	Administer Green Business Recognition Program and promote Green Business initiatives: Facilitate Green Business networking events	Yes	Yes	Sustainability Division, Communications, Economic Development
Continue Annually	Administer Green School Grant Program and Green Education opportunities for educators	Yes	Yes	Sustainability Division
Continue Annually	Partner with local universities (e.g., University of Central Florida, Rollins College) to provide educational trainings on sustainability-related subjects	Yes	Yes	Sustainability Division
Continue Annually	Ensure all requirements are met for remaining a Keep America Beautiful affiliate	Yes	Yes	Sustainability Division
Continue Annually	Provide volunteer opportunities for litter cleanups of city's lakes and rights-of-way and opportunities for beautification of city parks and greenspaces	Yes	Yes	Sustainability Division, Lakes Division, Parks and Recreation
Continue Annually	Provide education on Sustainability Division at Neighboring Community Events	Yes	Yes	Sustainability Division
Continually Annually	Create and implement environmental education opportunities at parks and city buildings (e.g., Mead Gardens, Howell Branch Creek, Dinky Dock and Fort Maitland)	No	Yes	Sustainability Division, Parks & Recreation, Communications

Local Government Operations

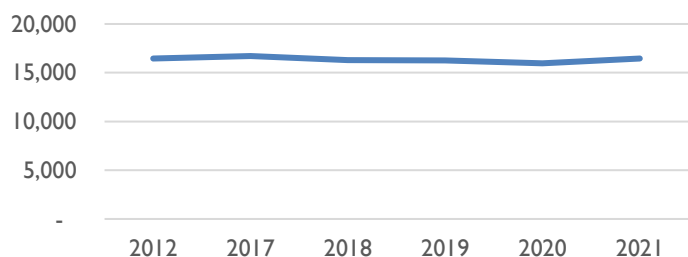
The Local Government Operations category outlines long term objectives and actions focused on reducing GHG emissions of municipal operations, increasing municipal facilities' resiliency to the impacts of climate change, and encouraging resource protection and conservation. Creating healthier and more comfortable environment for employees and building occupants are also anticipated benefits from the city renovating existing buildings and building new city facilities to meet high performance, green building standards.

The city's Local Government Operations GHG Emissions Inventory consists of all major direct emissions from the burning of fossil fuels by the City's fleet and indirect GHG emissions associated with the electricity consumption for local government operations. City Fleet-related (20%) and electricity consumption-related (79%) activities contribute the largest proportion of greenhouse gases emissions in government operations. Energy usage has remained generally stable since the baseline year of 2012.

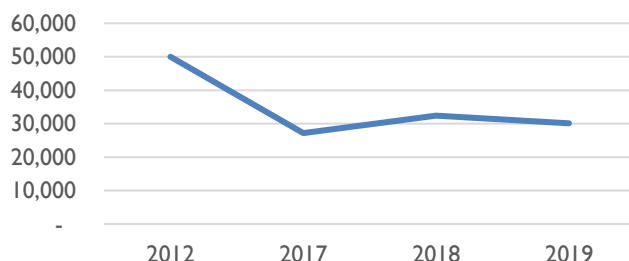
Local Government Operations
Greenhouse Gas Emissions
[tons of CO₂e] - 2021



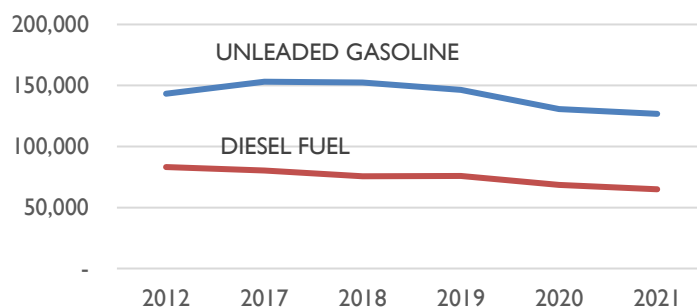
Annual Energy Usage for
Local Government Operations
(MWh)

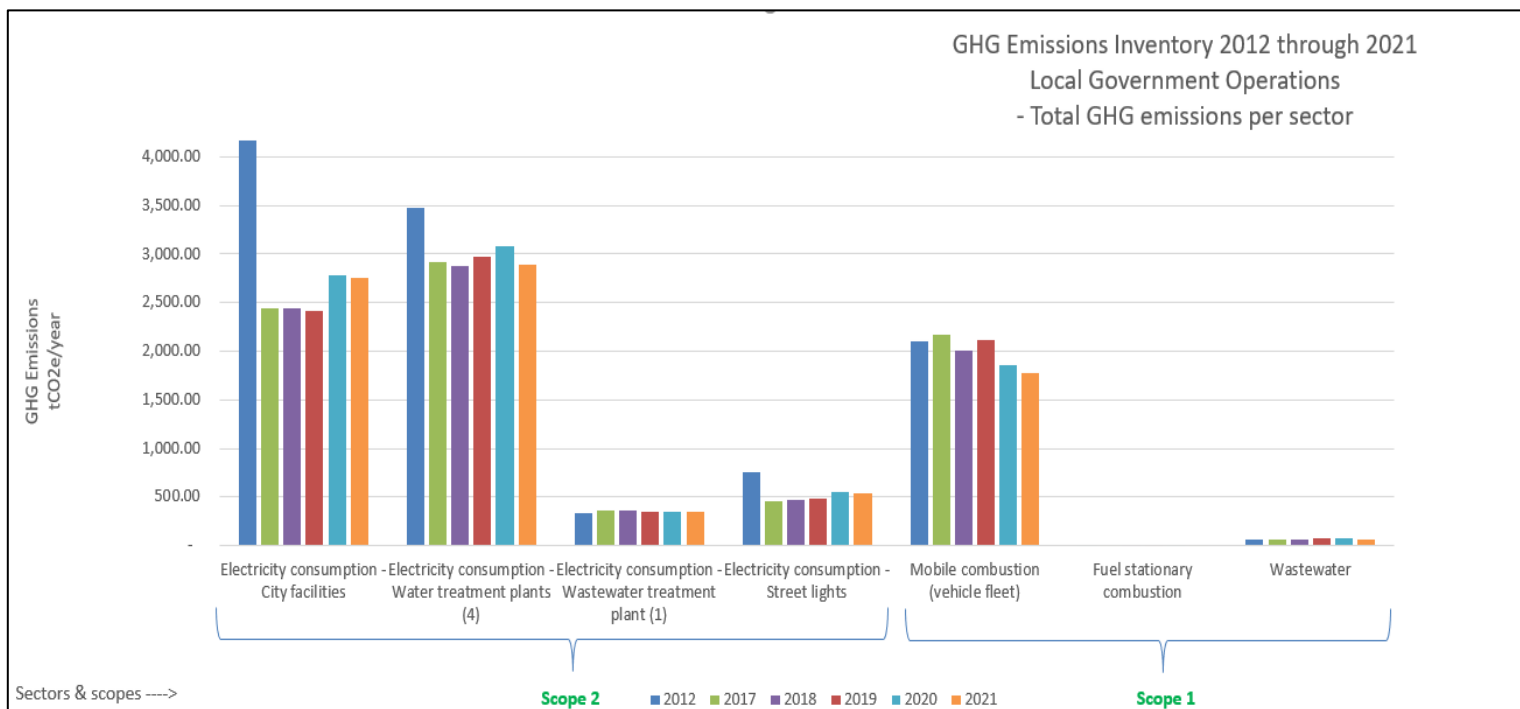


Annual Potable Water Usage for
Local Government Operations
[thousands of gallons]



Annual City Fleet Fuel Usage
[gallons]





Workforce commute also contributes to GHG emissions. City adoption of a flexible work plan to a four-day work week would decrease carbon emission. This provides both climate and employee well-being benefits.

Energy audits of city facilities would allow for projects to be selected that will provide the greatest energy reduction at the best return on investment. Several city parks use reclaimed water, lake or well water, reducing the amount of high-quality potable water being used by the city to irrigate. Efforts to expand the use of reuse water for park irrigation is planned.

City fleet gasoline and diesel consumption has remained generally stable since the baseline year of 2012. In 2020, there was a decrease in both unleaded gasoline and diesel due to the pandemic. We expect 2022 to jump back to average consumption with a goal to steadily decrease over the next decade with the establishment of a fleet electrification policy. By 2023, the City of Winter Park is committed to establishing a policy that creates a vehicle replacement and purchase tiered structure that prioritizes zero tail pipe emissions, high fuel efficiency vehicles would help further fleet electrification and fuel usage reduction. The city plans to expand EV charging stations that would be used for both city employees and for public use.

Sustainability education and incentivization for city employees also plays a vital role. By providing a green procurement guideline, the guesswork of selecting sustainable and compostable products is taken out while the city implements greener purchasing choices. City sponsored events, and hired vendors such as catering services, should be required to follow green event policies. While

green choices are made at the workplace, employees learning about these choices could help make greener choices at home.

OBJECTIVES

1. Increase the city's municipal facilities resiliency and energy use efficiency to the impacts of climate change
2. Improve city services and broaden public access to information about city performance
3. Reduce Local Government Operations (LGO) greenhouse gas emissions
4. Increase energy and water efficiency of existing and new city-owned and city-operated facilities
5. Encourage on-site renewable energy generation at city-owned and city-operated facilities
6. Reduce fossil fuel consumption by city fleet vehicles
7. Communicate, educate and motivate city employees to incorporate more sustainable solutions in their daily actions to change their behaviors in ways that support the objectives of the Sustainability Action Plan
8. Reduce the amount of waste generated from local government operations
9. Encourage reuse and other means of disposal that divert generated waste away from the landfill
10. Consider reducing carbon emission by implementing four-day work week where applicable

INDICATORS

	Indicator Description	Baseline	2021 Status	2025 Target	2035 Target
LGO-1	Local Government Operations greenhouse gas emissions [Tons of carbon dioxide equivalent]	11,315	8,735	40% less than baseline year	80% less than baseline year
LGO-2	Energy usage for Local Government Operations [MWh/yr]	16,471	16,443	5% less	15% less
LGO-3	City-owned and city-operated facilities audited	3	3	50%	100%
LGO-4	Potable water usage [thousands of gallons] ²	-	70,172	50% less	TBD
LGO-5	City Fleet fuel usage [gallons of unleaded gasoline] ³	143,268	126,747	Downward trend	TBD
LGO-6	City Fleet fuel usage [gallons of diesel fuel] ³	83,142	64,929	Downward trend	TBD

LGO-7	Number of city-owned Electric Vehicles ⁴	0	8	Increase	Increase
LGO-8	Number of Electric Vehicle charging Stations available for city business use [ports] ⁴	1	13	Increase	Increase

¹By the end of 2020, the city had 266kW of installed solar capacity (City Fleet Building, Aloma Water Treatment Plant)

²Target based on data received from utility reporting based on all city facilities meters

³By the end of 2020, the city had 6 electric vehicles (2% of total fleet) and 7 EV Charging Ports for Fleet Use

ACTIONS

Projected Implementation Year	Action	Accomplished	Status	Responsible Department/ Division
2022	Solicit proposals for energy conservation audits for all city facilities	No	Initiated	Public Works, Procurement, Sustainability Division, WP Electric Utility
2022	Conduct Renewable Energy Feasibility Study – 5.25.22 commission approved to move forward	No	Initiated	Public Works, Sustainability Division, Procurement, WP Electric Utility
2023	Pilot food waste collection program at a city facility (City Hall and or Center Street)	No	No	Sustainability Division
2023	Create & establish sustainable fleet policy that creates vehicle replacement EV hybridization	No	No	Fleet, Sustainability Division
2024	Develop educational programs for city employees on best practices for workplace energy & water conservation, sustainable transportation modes and waste management; include incentives like Sustainability Olympics/Challenges	No	No	Sustainability Division, Human Resources
2023	Reestablish Single Use Product Policy	No	No	Sustainability Division, City Administration, Parks & Recreation
2024	Research energy and water management software capable of identifying low-efficiency city facilities and early detection of usage anomalies	No	No	Sustainability Division, Public Works

Projected Implementation Year	Action	Accomplished	Status	Responsible Department/ Division
2023	Install high efficiency dishwashing machines and water bottle filling stations at city facilities to facilitate the reuse of dishware for city-business meetings and gatherings	No	No	Public Works, Sustainability Division
2023	City adoption of a flexible work plan to a four-day work week would decrease carbon emission	No	No	City Management, All City Departments
2024	Explore ways to quantify waste generated from city offices	No	No	Sustainability Division
2024	Design/implement a sustainability procurement policy that is fiscally responsible and aligns with sustainability goal that will include in the cities current comprehensive procurement policy	No	No	Procurement, Sustainability Division
2025	Upon renewal of SJRWMD Consumptive Use Permit, assess and identify opportunities for water conservation measures for all city facilities	No	No	WP Water & Wastewater Utility
2025	Ensure that all new, significantly renovated, occupied, city-owned buildings will be designed to incorporate measures that would allow them to be FGBC or minimum of LEED "Silver Certification" level	No	No	Public Works, Sustainability Division
Continue Annually	Use data and analytics to improve city services and broaden public access on information about city performance	Yes	Ongoing	IT, All City Departments
Continue Annually	Utilize racial equity lens to assess city policies, initiatives, programs, and budget issues	Yes	Ongoing	All City Departments
Continue Annually	Work with OMB annually to identify sustainability-related project needs and budget with city departments on Capital Improvement Plan	Yes	Ongoing	Office of Management & Budget, Sustainability Division, All City Departments
Continue Annually	Monitor city buildings' energy and water usage through ENERGY STAR Portfolio Manager	Yes	Ongoing	Sustainability Division
Continue Annually	Conduct Local Government Operations Greenhouse Gas Emissions Inventory	Yes	Ongoing	Sustainability Division
Continue Annually	Shift from fossil-fuel to electric powered landscaping equipment upon replacement; exception to leaf blowers with due date of 2024	Yes	Ongoing	Parks & Recreation

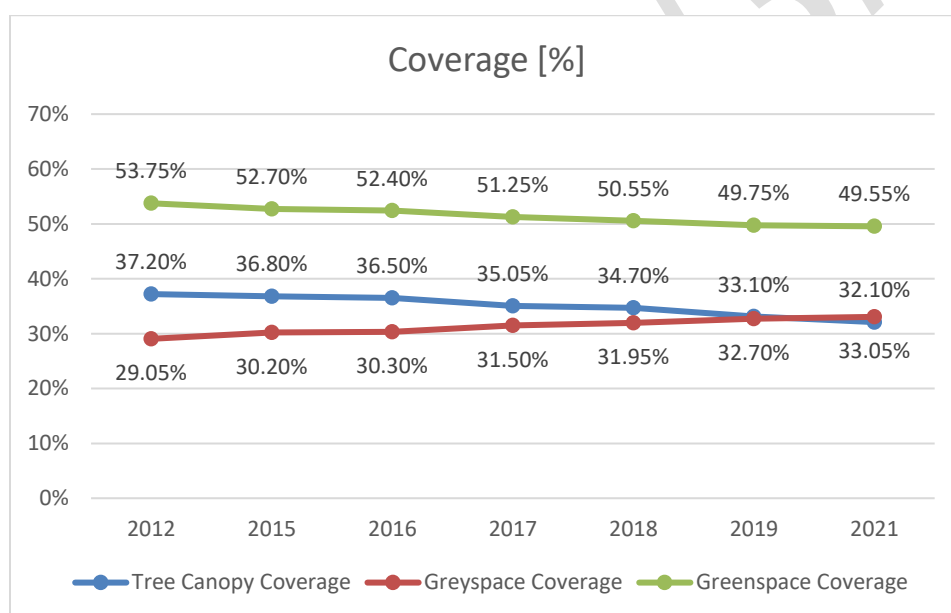
Projected Implementation Year	Action	Accomplished	Status	Responsible Department/ Division
Continue Annually	Continue to partner with FDOT's reThink Your Commute program to encourage employees' use of SunRail, Lynx, vanpools, bikes, and walking to work	Yes	Ongoing	Human Resources, Sustainability Division

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Natural Resources

The Natural Resources category is focused on preserving and enhancing the City of Winter Park's valuable natural features that help make the city such a great place to live. The city is known for its lush tree canopy and pristine lakes. Both of these features provide a multitude of benefits including improved air quality, wildlife habitat, cooler temperatures through reduced [urban heat island](#) effect, beautification and increased property values. In recognition of a downward trend from 2012 to 2019, the target goals for tree canopy coverage and greenspace coverage reflect a commitment to reversing the trend.

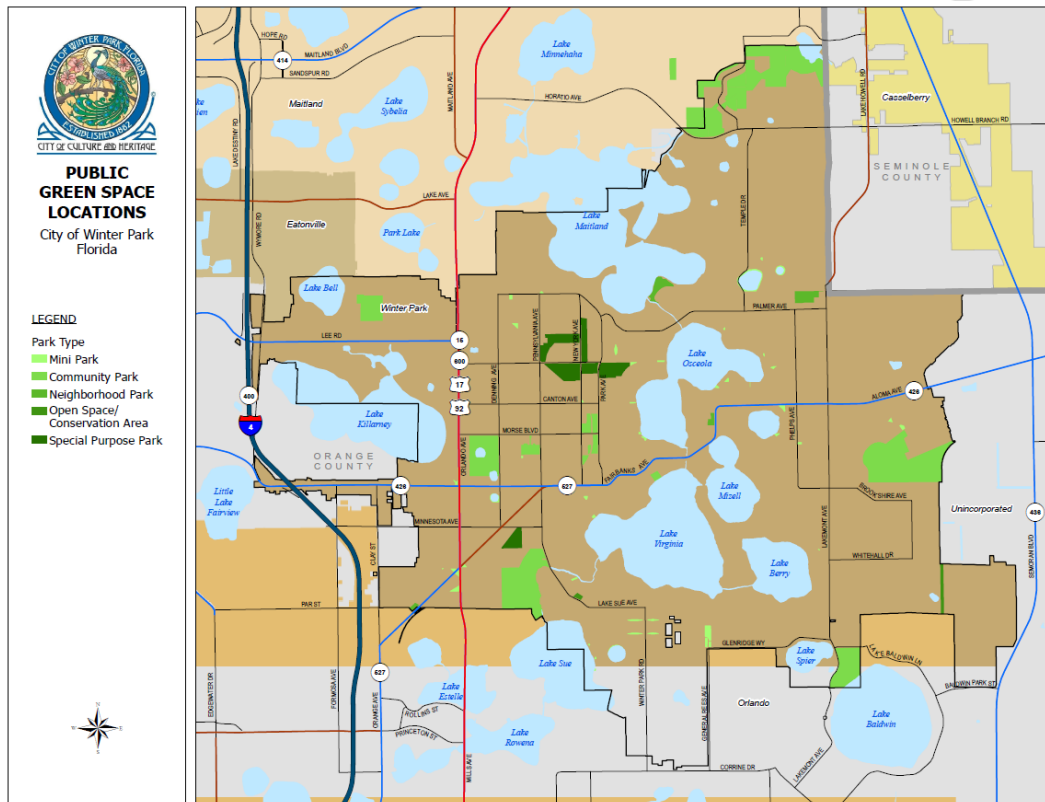
In 2020, the city's Urban Forestry Division began using [i-Tree Canopy](#). The online tool randomly lays points onto Google Earth imagery and then the user manually classifies what cover class (e.g., tree) each point falls upon. While 500-1,000 points are suggested, the Urban Forestry Division classified 2,000 points, increasing the accuracy of the estimates. Since the aerial imagery from Google Earth is normally about 2 years old, the assessment presented goes only through 2021.



Using i-Tree Canopy, Urban Forestry was able to determine the city's tree canopy coverage (includes trees and shrubs), greenspace coverage (includes trees, shrubs, grass and herbaceous cover) and greyspace coverage (includes impervious surfaces and buildings). A trend of gradual decline in tree canopy and greenspace coverage and gradual incline of greyspace coverage is evident during the reporting years. Tree canopy loss is most likely attributable to changes in land development use. Land development regulations and city programs that protect and expand the existing canopy are critical to ensure tree canopy coverage does not continue to decline.

City parks play a crucial role in residents and visitors mental and physical well-being and stimulate social cohesion. The city's Parks and Recreation Division has consistently exceeded its goal of

more than 10 park acres per 1,000 people. Maintaining the percentage of residents living within a half mile from park space will not only ensure that residents are within walking distance of places that are good for their mind and body, but these green areas also help mitigate localized air pollution and provide habitat for numerous animal and plant species. In addition, adding designated “no-smoking zones” to city parks and events reinforces clean air initiatives.



In 2021, the city’s Lakes Division will begin tracking the city’s Main Lakes meeting the “Good” Water Quality Standard [average annual trophic state index (TSI) below 60]. The city’s Main Lakes include Lakes Baldwin, Berry, Killarney, Maitland, Mizell, Osceola, Sue and Virginia. TSI is a classification system designed to “rate” individual lakes, ponds and reservoirs based on the amount of biological productivity occurring in the water. Using the index, one can gain a quick idea about how productive a lake is.

In 2022, the Natural Resources and Sustainability Department implemented discussions with Mead Botanical Garden in efforts to create a Comprehensive Plan. The Comprehensive Plan is intended to become a guiding document between Mead Garden, City of Winter Park, and Stakeholder groups (such as Winter Park Land Trust and Native Plant Societies). The plan would address projects, management plans (both removal and revegetation), and Howell Creek water

quality stabilization. This further illustrates the City of Winter Park's partnership with Mead Botanical Garden in allowing for the further success of our current and future projects. Mead Botanical Garden not only brings tourism to our city, but provides environmental conservation and educational opportunities for our city to experience and enjoy.

OBJECTIVES

1. Maintain and expand an equitable urban tree canopy
2. Increase overall greenspace
3. Increase parks and conservation space
4. Increase street trees within the city's rights of way
5. Maintain number of lakes meeting good water quality standard
6. Increase residents' and businesses' knowledge of best practices for urban tree canopy maintenance
7. Increase residential awareness on pollution prevention of natural water resources, including impacts of stormwater runoff and over-fertilizing for Winter Park lakes
8. Designate "no-smoking zones" for city parks and events
9. Creating a Mead Botanical Garden Comprehensive Plan document

INDICATORS

	Indicator Description	Baseline	2021 Status	2025 Target	2035 Target
NR-1	Tree Canopy Coverage – Baseline Year: 2019	33.10%	32.10%	Maintain	5% more
NR-2	Greenspace Coverage – Baseline Year: 2019	49.75%	49.55%	Maintain	5% more
NR-3	Greyspace Coverage – Baseline Year: 2019	32.70%	33.05%	Maintain	5% less
NR-4	# of Trees Removed	-	120	Maintain	TBD
NR-5	# of Trees Planted	-	150	Increase trend	TBD
NR-6	Percentage of City of Winter Park's Main Lakes ¹ meeting Good Water Quality Standard [Average Annual Trophic State Index (TSI) below 60] – Baseline Year: 2012	100%	100%	Maintain	Maintain

¹Lakes Baldwin, Berry, Killarney, Maitland, Mizell, Osceola, Sue and Virginia

ACTIONS

Projected Implementation Year	Action	Accomplished	Status	Responsible Department/ Division
2022	Provide education on pollution prevention of natural water resources (e.g., impacts of stormwater runoff and over-fertilizing) to residents and businesses through on-line, print campaigns, and social media	No	Initiated	Lakes Division, Sustainability Division, Communications
2023	Research establishing an Energy-Savings Tree Giveaway Program that delivers a diverse variety of canopy and understory trees to residents	No	No	Urban Forestry, Sustainability Division
2023	Explore opportunities to preserve existing trees on private property such as increase front set backs on septic for property owners and developers	No	No	Building & Permitting, Urban Forestry, Sustainability Division
2023	Conduct <i>tree equity score</i> study to determine if tree canopy cover is distributed in a way that all residents can experience the climate, health and other benefits that trees provide	No	No	Urban Forestry
2023	Develop a checklist of trees for residents to reference	No	No	Urban Forestry, Communications
2023	Incorporate opportunities to build a green infrastructure (bio-swales, rain gardens, green roofs, etc.) demonstration project within the city limits	No	No	Sustainability Division, Stormwater Division
2022	Adopt Artificial Turf Ordinance	No	Initiated	Natural Resources & Sustainability Dept., Public Works

Projected Implementation Year	Action	Accomplished	Status	Responsible Department/ Division
2023	Periodic Review for Natural Resources Protection. Increase policy to save more trees within building code – land development code	No	No	Urban Forestry, Natural Resources and Sustainability Dept., Building & Permitting
2023	Explore implementation of Tree Equity Score indexing	No	No	Urban Forestry & Sustainability Division
2023	Water quality data readily accessible for all WP citizens to utilize	No	Initiated	Communications , WP Electric Utility
2023	GIS Modeling to predict tree canopy	No	No	GIS & Urban Forestry
2023	Establish Lakes Newsletter to inform citizens on the importance of lake side living	No	No	Lakes Division, Communications
2023	Establish a lakeside living checklist for use when hiring lawn care/maintenance to prevent excess fertilizers and grass clippings from entering our waterways	No	No	Lakes Division, Communications
2023	Implement lake vegetation bioassessment to benchmark and track the health of WP's Shorelines	No	No	Lakes Division
2023	Add pollinator gardens to the initial landscape plan throughout the city	No	No	Parks & Recreation, Landscaping, Natural Resources & Sustainability
2024	Enhance tree canopy coverage via the urban forest management plan and update every 5 years	No	No	Urban Forestry, Natural Resources & Sustainability Dept.

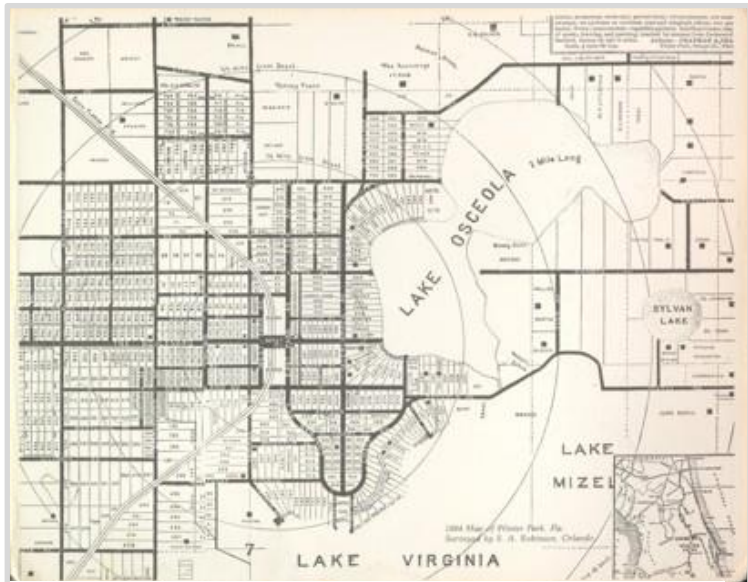
Projected Implementation Year	Action	Accomplished	Status	Responsible Department/ Division
Continue Annually	Increase beneficial native aquatic plant shorelines for all Winter Park Lakes	Yes	Ongoing	Natural Resources & Sustainability Dept.
Continue Annually	Explore funding to support green infrastructure and tree canopy development	Yes	Ongoing	Urban Forestry, Natural Resources & Sustainability Dept.
Continue Annually	Administer city's tree management program	Yes	Ongoing	Urban Forestry
Continue Annually	Consider the usefulness and availability of state and federal grant programs for the acquisition of lands for conservation areas or passive recreation	Yes	Ongoing	City Administration, Parks & Recreation, Planning & Transportation
Continue Annually	Administer integrated aquatic plant management program	Yes	Ongoing	Lakes Division
Continue Annually	Provide Tree Canopy Conservation education (e.g., environmental/health benefits, cost savings, aesthetics) to residents, building professionals, realtors and businesses through on-line, social media, print campaigns and in-person workshops	Yes	Ongoing	Urban Forestry, Sustainability Division, Building & Permitting, Communications
Continue Annually	Increase Watershed Clean Ups, Tree Plantings, and Shore Restoration Events	Yes	Ongoing	Natural Resources & Sustainability Dept., Urban Forestry

Transportation and Urban Form

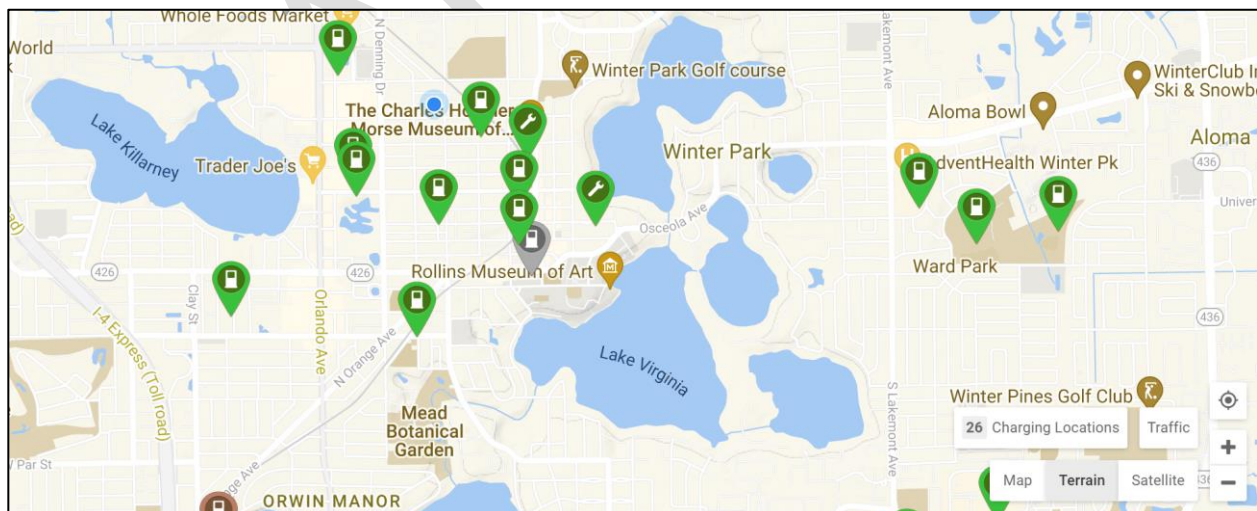
The Transportation and Urban Form category is focused on encouraging healthier, more active forms of transportation such as walking, bicycling and using mass transit such as LYNX bus and SunRail commuter rail and increased [connectivity](#). As the first planned community in Florida, the city was founded around the concept of walkability and human scaled urbanism. Since owning a car was a rarity in the 1880s, the city's founders designed the original plan around the Train Station which was the town's first constructed building. Future development was patterned off quarter mile walks around the station.

As discussed in the Climate Resiliency category, transportation is a significant (50%) contributor to the city's community-wide GHG emissions. Climate Resiliency emphasizes the need for people to choose more sustainable transportation options.

Common design elements of [complete streets](#) includes continuous sidewalks, bike lanes, landscaping, and shade trees. These design characteristics, combined with green infrastructure such as bio-swales and rain gardens, also help reduce stormwater runoff, enhance lakes water quality, and reduce the urban heat island effect.



The original Town Plan for Winter Park, FL placing the train station in the center with development planned around it. The circles represent quarter mile distances.



Map from PlugShare showing City of Winter Park's public charging stations in green.

OBJECTIVES

1. Improve pedestrian and bicyclist environments with sustainable and safe transportation infrastructure such as sidewalks, multimodal paths, and transit shelters
2. Encourage more complete streets in planning and development
3. Create an environment that encourages residents, businesses, and visitors to transition to electric and less carbon-intensive modes of transportation to achieve a level of air quality that is healthy for all residents and the natural environment (e.g., meeting and exceeding regional indoor and outdoor [air quality standards](#))
4. Increase residents' and businesses' knowledge of benefits and importance of sustainable transportation choices

INDICATORS

	Indicator Description	2012 Baseline	2021 Status	2025 Target	2035 Target
TUF-1	Sidewalk/Street improvements allowing for pedestrian and bicyclist use [Linear feet] ^{1,2} - Starting year 2022	-	930 LF	1 mile (cumulative)	3.5 miles (cumulative)
TUF-2	Pedestrian infrastructure improvements (enhanced crossings) [improved site/year] ² - Starting year 2022	-	5	10	25
TUF-3	Bicyclist infrastructure improvements (enhanced crossings, & bike racks) [improved site/year] ² - Starting year 2022	-	22	15	30
TUF-4	Improved transit stops (benches, transit shelters, waste receptacles, etc.) [improved transit stop/year] ² - Starting year 2022	-	0	2	4
TUF-5	Public and Private EV Charging Stations	7	156 current	30 additional	75 additional

¹e.g., converting a sidewalk to a mixed use trail or adding a bike lane to an existing road

²Targets for TUF-1, TUF-2, TUF-3 and TUF-4 will be determined and baseline adjusted upon completion of Mobility Plan

³As of 2020, the city has 14 EV Charging Ports for Public Use (info pulled from PlugShare)

ACTIONS

Projected Implementation Year	Action	Accomplished	Status	Responsible Department/ Division
2023	Develop Mobility Plan, considering SunRail, Lynx, safe routes to schools, Complete Streets, and linkages of the City's trails with adjacent counties and municipalities	No	None	Planning & Transportation, Sustainability Division
2023	Explore feasibility of an incentive program for EV Charging Station installation in multifamily and commercial properties	No	None	Sustainability Division, Building & Permitting, WP Electric Utility

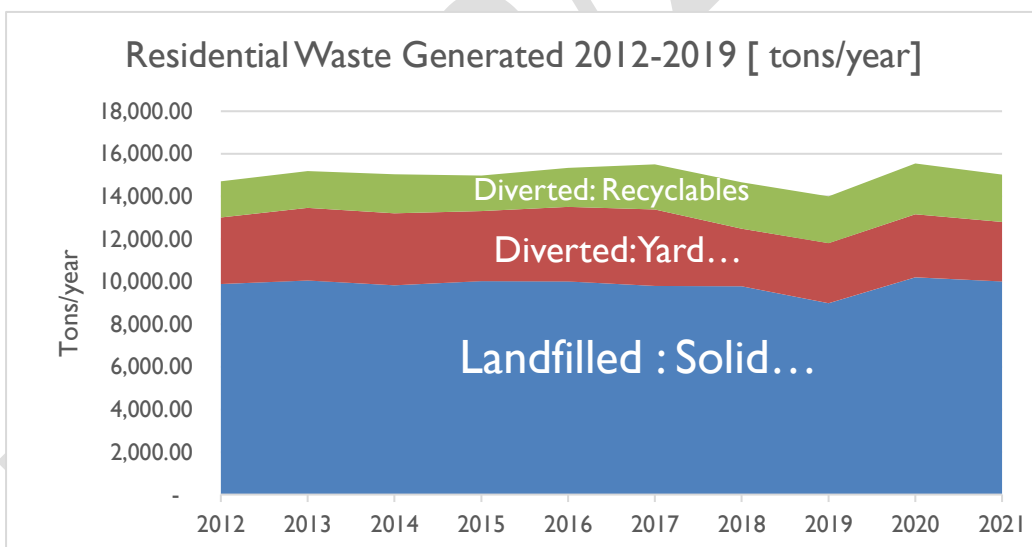
Projected Implementation Year	Action	Accomplished	Status	Responsible Department/ Division
2023	Develop EV infrastructure needs assessment and master plan	Yes	Ongoing	Sustainability Division, WP Electric Utility, Planning & Transportation
2023	Explore opportunities to pilot electric shuttle (Smart Bus)	No	No	City Administration, Economic Development, Planning & Transportation, Sustainability Division
2024	Implement public and private rideshare partnership opportunities that will promote the use of the cities SunRail System	No	No	Economic Development, Planning, Transportation, SunRail, Uber, & Lyft
Continue Annually	Maintain Electric Vehicle Charging Stations available to the public	Yes	Ongoing	Sustainability Division
Continue Annually	Encourage private developments to increase safety and ease of walking and cycling through site plan review process	Yes	Ongoing	Planning & Transportation
Continue Annually	Implement affordable & workforce housing within a quarter mile from major employers	No	Ongoing	Economic Development, Planning & Transportation
Continue Annually	Provide education on pedestrian and bicyclist safety, routes, and proximity to amenities to residents and businesses through on-line, social media, interactive map, and print campaigns	Yes	Ongoing	Planning & Transportation, Police Department, Communications
Continue Annually	Evaluate bus stop infrastructure for accessibility and amenities	Yes	Ongoing	Planning & Transportation
Continue Annually	Provide education on benefits and importance of sustainable transportation choices to residents and businesses through on-line, print campaigns, social media, and in-person events	Yes	Ongoing	Planning & Transportation, Sustainability Division, Communications
Continue Annually	Work with Sustainability Division to ensure Comprehensive Plan Update incorporates sustainability and resilience related goals, objectives and policies as it relates to transportation	Yes	Ongoing	Planning & Transportation, Sustainability Division

Waste Management

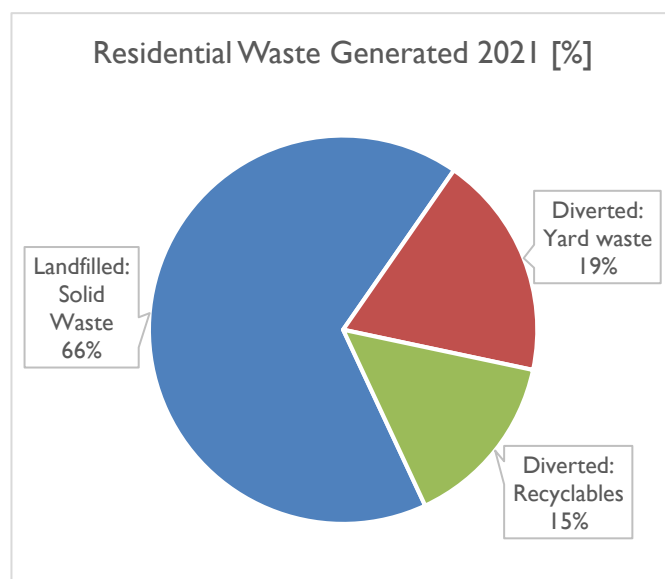
The Waste Management category is focused on reducing the amount of waste generated, encouraging the reuse and repair of products, and diverting waste from the landfill. The EPA developed the non-hazardous materials and [waste management hierarchy](#) in recognition that no single waste management approach is suitable for managing all materials and waste streams in all circumstances. The hierarchy ranks the various management strategies from most to least environmentally preferred.



The City of Winter Park has a franchise agreement with WastePro for hauling of solid waste, yard waste and recyclables from residential properties. Under this contract, WastePro hauls solid waste and yard waste to the Seminole County Transfer Station. Solid waste is landfilled and yard waste is used primarily as road cover at the landfill, allowing yard waste to be counted as diverted waste. WastePro hauls recyclables to the Orange County Transfer Station.



There, recyclables are graded by Waste Management as being “acceptable” or “rejectable” based on the level of contamination. Acceptable loads are transported to Waste Management’s sorting facility in Cocoa for sorting, baling and compaction and then prepared for market. Unacceptable loads are landfilled. Consistency in updating residents to what is acceptable and not acceptable in the recycling bin is key to keeping rejections low.



It is important to recognize that at the top of the waste management hierarchy is avoidance and reduction of waste. The city is leading by example with

its Single Use Product Policy Pilot program that prohibits plastic bags, plastic straws and styrofoam products at city facilities. The Green Business Recognition Program provides a way for businesses to receive recognition for switching from single-use to reusable and compostable alternatives. It is critical to reinforce the message that most environmentally preferable choice an individual can make in regards to waste is to not create it in the first place.

OBJECTIVES

1. Reduce the amount of waste generated
2. Increase repair, reuse and donation of materials
3. Divert waste generated away from the landfill
4. Increase residents and businesses' knowledge of the benefits and importance of waste prevention and reduction

INDICATORS

	Indicator Description	2012 Baseline	2021 Status	2025 Target	2035 Target
WM-1	Residential Waste Generated [tons] ¹	14,714	15,018	5% less	10% less from prior target
WM-2	Residential Solid Waste Landfilled [tons]	9,890	10,004	10% less	20% less
WM-3	Residential Waste Diverted from Landfill [tons] ²	4,824	5,014	10% more	20% more

¹Includes tonnage collected from residential households (solid waste, yard waste and recycling)

²Includes tonnage of waste diverted for other purposes (i.e., recyclables recycled and yard waste used for landfill cover)

ACTIONS

Projected Implementation Year	Action	Accomplished	Status	Responsible Department(s)
2022	Provide composting education and backyard composters to residents	Yes	Initiated	Sustainability Division
2022	Analyze implementation of a Food Waste Diversion Program for Center Street and Farmer's Market	No	Initiated	Sustainability Division

Projected Implementation Year	Action	Accomplished	Status	Responsible Department(s)
2023	Maintain the list of the city's Registered Haulers	No	Initiated	Sustainability Division
2023	Assist multi-family and commercial buildings with creating recycling education and outreach plans	No	No	Sustainability Division, Economic Development
2023	Increase recycling opportunities at city-owned public facilities and parks	No	No	Parks and Recreation, Sustainability Division
2023	Consider food scrap collection and Pay As You Throw options in Scope of Work description for Solid Waste Services Solicitation	No	No	City Administration, Sustainability Division
2023	Establishing an ordinance to ban all Styrofoam products city-wide	No	No	City Administration, Sustainability Division
2023	Consider a mandate for commercial ordinance for recycling and composting	No	No	City Administration, Sustainability Division
Continue Annually	Host "Fix It, Don't Pitch It" regional community repair event	Yes	Ongoing	Sustainability Division
Continue Annually	Provide residents with online waste management tool that provides collection schedules, reminders and look-up tool to determine how items should be disposed of	Yes	Ongoing	Sustainability Division
Continue Annually	Provide in-person, online and print education on waste management hierarchy (reduce, reuse, recycle)	Yes	Ongoing	Sustainability Division
Continue Annually	Participate in Florida Food Waste Prevention Week	Yes	Ongoing	Sustainability Division
Continue Annually	Hold Annual Household Hazardous Waste (HHW) and Electronics Waste Collection Event	Yes	Ongoing	Sustainability Division
Continue Annually	Increase availability of water bottle filling stations at city-owned public facilities and parks	Yes	Ongoing	Parks and Recreation, Sustainability Division

2022 Action Item Tracker List:

Category	Action Item
Climate Resiliency	Update Land Development Code, to allow food processing and handling in accordance with F.S. 500.80 (Cottage Food Operations) as a home occupation to encourage local food production
Climate Resiliency	Adopt Backyard Chicken Program (exp. September 2022) to evaluate program outcomes and possibility of expanding and extending the program
Climate Resiliency	Build a community based sustainable food system which includes education and outreach that promotes seed access, growing edible gardens at home, and encourages community supported agriculture and local food consumption.
Climate Resiliency	Establish community grants for food security and sustainability initiatives
Climate Resiliency	Implement a food security policy. Must have community garden/ farm near most vulnerable areas.
Climate Resiliency	Research and design policies to increase green building standard requirements in residential & commercial developments
Energy	Internal employee energy conservation training – reduction energy and water. Incentives used to help motivate.
Energy	Conduct benchmark of all city buildings utilizing 70% of city electricity and identify technology for energy efficiency.
Energy	Explore incentive programs for commercial customers that encourage energy conservation
Water	Explore a code requirement for commercial customers that encourages water conservation
Water	Using AMI system to identify customers in non-compliance with SJRWMD irrigation policies and provide non-compliant customers with water conservation best practices
Community Engagement and Green Economy	Create Green Event Guide and Volunteer Program for city events

Category	Action Item
Local Government Operations	Establish sustainable & resilient fleet policy that creates a vehicle replacement and purchase tiered structure that prioritizes zero tail pipe emissions and high fuel efficiency vehicles
Local Government Operations	Reestablish Single Use Product Policy
Local Government Operations	Explore establishing a Revolving Energy Efficiency Loan Fund for city owned buildings and infrastructure.
Local Government Operations	Research energy and water management software capable of identifying low-efficiency city facilities and early detection of usage anomalies
Local Government Operations	Update Personnel Policy Manual to reduce idling time by city fleet users and create educational campaign to inform city employees.
Local Government Operations	Identify funding opportunities and training provider for racial equity training for all elected officials and department heads
Local Government Operations	Pilot food scrap collection program at City Hall
Natural Resources	Research establishing an Energy-Savings Tree Giveaway Program that delivers a diverse variety of canopy and understory trees to residents
Natural Resources	Explore opportunities to incentive property owners and developers to preserve existing trees on private property
Natural Resources	Conduct tree equity score study to determine if tree canopy cover is distributed in a way that all residents can experience the climate, health and other benefits that trees provide
Natural Resources	Explore funding opportunities to build a green infrastructure (bioswales, rain gardens, green roofs, etc.) demonstration project within the city limits
Natural Resources	Explore implementation of Tree Equity Score indexing
Natural Resources	GIS Modeling to predict tree canopy
Transportation and Urban Form	Develop Mobility Plan, considering SunRail, Lynx, safe routes to schools, Complete Streets, and linkages of the City's trails with adjacent counties and municipalities
Transportation and Urban Form	Explore feasibility of incentive program for EV Charging Station installation in multifamily and commercial properties
Transportation and Urban Form	Develop EV infrastructure needs assessment and master plan
Transportation and Urban Form	Explore opportunities to pilot electric shuttle (Smart Bus)
Transportation and Urban Form	Work with Sustainability Division to ensure Comprehensive Plan Update incorporates sustainability and resilience related goals, objectives and policies as it relates to transportation
Waste Management	Increase availability of water bottle filling stations at city-owned public facilities and parks
Waste Management	Develop and launch educational promotion campaign to encourage food recovery

Glossary

Air quality standards. The [Orange County Air Quality Management \(AQM\) section](#) ensures that the air quality of Orange County meets standards set forth in the Federal Clean Air Act and in the Florida Statutes. The goal of the [Florida Department of Health Indoor Air Program](#) is to improve the health of Floridians by reducing exposure to indoor air contaminants.

[Best Workplaces for Commuters](#) is an innovative membership program that provides qualified employers with national recognition and an elite designation for offering outstanding commuter benefits such as offering at least \$30 per month towards a transit pass to employees, employee shuttle to transit stations, etc.

[Carbon Footprint](#) The total amount of greenhouse gases that are emitted into the atmosphere each year by a person, family, building, organization, or company. A person's carbon footprint includes greenhouse gas emissions from fuel that an individual burns directly, such as by heating a home or riding in a car. It also includes greenhouse gases that come from producing the goods or services that the individual uses, including emissions from power plants that make electricity, factories that make products, and landfills where trash gets sent.

[Carbon-intensive foods](#) include beef (6.61 lbs. of CO₂e per serving), cheese (2.45 lbs. of CO₂e per serving), and other animal-based products.

[Climate change](#) refers to a change in the state of the climate that can be identified (e.g., by using statistical tests) by changes in the mean and/or the variability of its properties and that persists for an extended period, typically decades or longer. Climate change may be due to natural internal processes or external forcings such as modulations of the solar cycles, volcanic eruptions and persistent anthropogenic changes in the composition of the atmosphere or in land use.

[Climate Resilience](#) The capacity of social, economic and environmental systems to cope with a hazardous event or trend or disturbance, responding or reorganizing in ways that maintain their essential function, identity and structure while also maintaining the capacity for adaptation, learning and transformation.

[Complete Streets](#) are streets for everyone. They are designed and operated to prioritize safety, comfort, and access to destinations for all people who use the street, especially people who have experienced systemic underinvestment or whose needs have not been met through a traditional transportation approach, including older adults, people living with disabilities, people who cannot afford or do not have access to a car, and Black, Native, and Hispanic or Latino/a/x communities. Complete Streets make it easy to cross the street, walk to shops, jobs, and schools, bicycle to work, and move actively with assistive devices. They allow buses to run on time and make it safe for people to walk or move actively to and from train stations.

[Connectivity](#) reduces the distances traveled to reach destinations, increases the options for routes of travel, and can facilitate walking and bicycling. Well-connected, multimodal networks are characterized by seamless bicycle and pedestrian infrastructure, direct routing, accessibility, few dead-ends, and few physical barriers. Increased levels of connectivity are associated with higher levels of physical activity from transportation. Connectivity via transportation networks can also improve health by increasing access to health care, goods and services, etc.

[Florida Food Waste Prevention Week](#) raises awareness and inspires action to prevent food waste, save money, reduce hunger and protect the environment.

[Florida Green Building Coalition](#) has developed green certification programs that apply to construction projects and local government operations. Seeking FGBC certification demonstrates a commitment to providing your customers with products or services that are green and sustainable.

[Food Recovery](#) is the practice of collecting wholesome food that would otherwise go to waste and donating it to local food distribution agencies to help feed those in need.

[Google EIE](#) uses exclusive data sources and modeling capabilities in a freely available platform to help cities measure emission sources, run analyses, and identify strategies to reduce emissions — creating a foundation for effective action. Starting in 2021, the city's Greenhouse Gas emissions inventory uses Google EIE estimates for transportation emissions (baseline year 2018).

[Green Economy](#) is defined as an economy that is low carbon, resource efficient and socially inclusive. In a green economy, growth in employment and income are driven by public and private investment into such economic activities, infrastructure and assets that allow reduced carbon emissions and pollution, enhanced energy and resource efficiency, and prevention of the loss of biodiversity and ecosystem services.

[Green Infrastructure](#) includes a range of measures that use plant or soil systems, permeable pavement or other permeable surfaces or substrates, stormwater harvest and reuse, or landscaping to store, infiltrate, or evapotranspire stormwater and reduce flows to sewer systems or to surface waters.

[Greenhouse gases](#) are those gaseous constituents of the *atmosphere*, both natural and *anthropogenic*, that absorb and emit radiation at specific wavelengths within the spectrum of terrestrial radiation emitted by the Earth's surface, the atmosphere itself and by clouds. This property causes the greenhouse effect. Water vapour (H_2O), carbon dioxide (CO_2), nitrous oxide (N_2O), methane (CH_4) and ozone (O_3) are the primary GHGs in the Earth's atmosphere.

[Integrated Aquatic Plant Management Program](#), established by the City of Winter Park, attempts to meet the challenges of maintaining beneficial plants while minimizing undesirable ones. The program includes chemical, biological and mechanical control methods.

[LEED](#) (Leadership in Energy and Environmental Design) is the most widely used green building rating system in the world. Available for virtually all building types, LEED provides a framework for healthy, highly efficient, and cost-saving green buildings. LEED certification is a globally recognized symbol of sustainability achievement and leadership.

[Pay As You Throw](#) is a system in which residents pay for municipal solid waste (MSW) services per unit of waste discarded rather than solely through a fixed fee or property tax.

[Racial Equity](#) occurs when race can no longer be used to predict life outcomes and outcomes for all groups are improved. For more detailed information review the GARE [Advancing Racial Equity and Transforming Government](#) Resource Guide.

[Racial Equity Lens](#) is the set of questions we ask ourselves throughout the decision-making process. The lens interrupts the impact of unintended consequences by taking into consideration the lived experiences and perspectives of the racially diverse communities we intend to serve.

[Reclaimed water](#) is wastewater that has been thoroughly treated to remove harmful organisms and substances, such as bacteria, viruses and heavy metals, so it can be reused.

[Renewable energy](#) is energy from sources that are naturally replenishing but flow-limited; renewable resources are virtually inexhaustible in duration but limited in the amount of energy that is available per unit of time. The major types of renewable energy sources are: Biomass, Hydropower, Geothermal, Wind and Solar.

[Resilience Hubs](#) are community-serving facilities augmented to support residents, coordinate communication, distribute resources, and reduce carbon pollution while enhancing quality of life. Hubs provide an opportunity to effectively work at the nexus of community resilience, emergency management, climate change mitigation, and social equity while providing opportunities for communities to become more self-determining, socially connected, and successful before, during, and after disruptions.

[Urban Heat Islands](#) occur when cities replace natural land cover with dense concentrations of pavement, buildings, and other surfaces that absorb and retain heat. This effect increases energy costs (e.g., for air conditioning), air pollution levels, and heat-related illness and mortality.

[Tree Equity Score](#) is an indicator of whether an area has a sufficient amount of tree canopy cover distributed in a way that all residents can experience the climate, health and other benefits that trees provide.

[Tree Management Program](#), established by the City of Winter Park, maintains existing vigorous trees, removes dead/diseased/dying trees, and replants with a diverse species. The Urban Forestry division is also responsible for maintaining trees in parks and around facilities, trees coexisting with electrical facilities, rights of way trees, and community outreach and education.

[Trophic State Index \(TSI\)](#) is a classification system designed to “rate” individual lakes, ponds and reservoirs based on the amount of biological productivity occurring in the water. Using the index, one can gain a quick idea about how productive a lake is.

Trophic State Index	Trophic State Classification	Water Quality
0-59	Oligotrophic through Mid-Eutrophic	Good
60-69	Mid-Eutrophic through Eutrophic	Fair
70-100	Hypereutrophic	Poor

Climate Risk & Vulnerability Assessment: a structured process that identifies ways in which a community is susceptible to harm from climate threats and identify corrective actions that can reduce or mitigate the risk of serious consequences due to climate change. This assessment will look at the City's critical facilities, water infrastructure, economic factors, our natural resources, people and socioeconomic statistics, property, transportation, and mobility. As a city that is mostly in land but surrounded by wetlands, Winter Park is still no stranger to climate events such as hurricanes, flooding, and extreme heat. As rapid growth in development continues, we continue to find ways to be adaptable to these climate changes. Within this assessment we will have key indicators which will allow us to keep track of this data for continued planning and prevention. These indicators include: GHG Emissions, Heat (Rising Temperatures and Extreme Heat), and Precipitation.

Waste Management Hierarchy: EPA developed the non-hazardous materials and waste management hierarchy in recognition that no single waste management approach is suitable for managing all materials and waste streams in all circumstances. The hierarchy ranks the various management strategies from most to least environmentally preferred. The hierarchy places emphasis on reducing, reusing, and recycling as key to sustainable materials management.

Wastewater is used water. It includes substances such as human waste, food scraps, oils, soaps and chemicals. In homes, this includes water from sinks, showers, bathtubs, toilets, washing machines and dishwashers.



Keep Winter Park
Beautiful &
Sustainable
Advisory Board

agenda item

item type Staff Updates	meeting date November 15, 2022
prepared by Victoria Tabor	approved by
board approval	
strategic objective	

subject

Election Sign Recycling Initiative

item list

- Collections dates Nov 9 – 20
- PureCycle
- Primaries = 6,080 pounds

motion / recommendation

background

alternatives / other considerations

fiscal impact



Keep Winter Park
Beautiful &
Sustainable
Advisory Board

agenda item

item type	Staff Updates	meeting date	November 15, 2022
prepared by	Victoria Tabor	approved by	
board approval			
strategic objective			

subject

Employee Appreciation Lunch

motion / recommendation

background

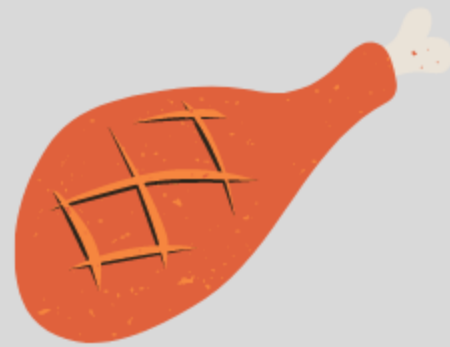
alternatives / other considerations

fiscal impact

ATTACHMENTS:

Winter Park Employee Appriciation Lunch

Winter Park Employee Appreciation Lunch



42 lbs. Composted

Under 10 lbs. trash
produced overall





Keep Winter Park
Beautiful &
Sustainable
Advisory Board

agenda item

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subject

Green School Grant Submissions 2022

motion / recommendation

background

alternatives / other considerations

fiscal impact

ATTACHMENTS:

[Methodist School for Early Education Write up](#)

ATTACHMENTS:

[Methodist School for Early Education Pics](#)

ATTACHMENTS:

[Photo Essay for Winter Park Presbyterian Preschool](#)

ATTACHMENTS:

[Photo Essay The Parke House](#)

ATTACHMENTS:

[Photo Essay WPHS](#)

ATTACHMENTS:

[Trinity Prep Garden Project](#)

MSEE has had an exciting start to our Outdoor Classroom (ODC) program. Our Outdoor Classroom began as a dream in the summer of 2021 and has quite literally grown into one of the preschool's most beloved additions to the curriculum. During its inaugural school year of 2021-22, the ODC was able to transform a portion of the playground into a functional outdoor learning space. MSEE students have worked on growing and harvesting vegetables, beautifying the garden with flowers and a rock river, building a pollinator garden, and they have developed a love and appreciation for the outdoors and sustainability.

The Green Schools Grant has afforded MSEE the opportunity to create a recycling program within our preschool. Each classroom has been given a recycle bucket that they bring to the ODC filled with their recyclables throughout the week. The recyclables are then dumped into a large toter bin and put out for weekly pickup. The children are learning that they can take action towards sustainable lifestyle and contribute to help their environment. Students are given the responsibility of determining what is recyclable in their daily activities and are putting thought into what they consume.

As the Outdoor Classroom teacher, it is my intent to grow our Outdoor Classroom program with each school year. I am always searching for new ways to keep the children engaged with nature. I will continue to use our awarded funding to nurture the spirit of sustainability within my students and hope they will take the love of our environment with them into adulthood.



Winter Park Presbyterian Preschool Photo Essay for KWPB Green Schools Grant Spring 2022



Students take a close look at sea shells under the tripod magnifying glass.



This student sorts shells according to texture. "This shell is smooth!"



After observing bugs in the garden, children sat on the new blanket to draw pictures of what they saw. Animal and insect books help them draw in detail.



These boys shovelled dirt into cups. After adding flower seeds, they used new watering cans just right for small hands!



The children will observe the seeds as they grow into daisies, sunflowers and mint.



Shiny new red binoculars help these children spot caterpillars on milkweed plants in our nature center. Winter Park Presbyterian Preschool classes have learned about the life cycle of butterflies, and the children can now easily identify butterfly eggs on leaves, monarch caterpillars and chrysalises. We have released 12 butterflies over the past few weeks! These hands-on experiences help the children make deeper connections with nature and caring for our environment.

The Parke House Academy gARTen Updates 2022

Winter Park School Garden Grant

The Parke House Academy gARTen is located in Winter Park, Florida. We are funded by the Parke House Academy, Parke House parents and the city of Winter Park Green Schools grants. The 2022 grant helped to support my attendance at the Growing Schools Garden Summit sponsored by Sprouts Inc. The summit was a three-day educational retreat for educators and school garden coordinators in Denver, Colorado, spring '22. When I returned from the conference, I shared ideas ranging from STEM activities, inclusivity in the garden, sustainability practices, hydroponic gardening and so much more. The \$400 granted to me from the city was matched by the Parke House Academy and myself. The total \$1200 covered all fees for workshops and speakers.

The hydroponic garden tours throughout Colorado provided an observation of a high school hydroponic classroom which educated students to prepare them for careers in hydroponic farming. One high school produced 10,000 pounds of food annually to provide extra veggies to students and their families and the community. Hydroponics use 90% less water than traditional farming and take up less space. Parke House administration was especially interested in exploring hydroponics for our campus. We installed a large hydroponic tower for our upper division and the results were incredible, with starter plants producing food in 12-14 days! Students love snacking on salads and our Parke house families enjoy lettuce and herb goody bags to take home. Fifth graders check on the Ph levels weekly and adjust nutrients accordingly. We plan to expand our hydroponic system both in our upper and lower division.

The Winter Park grant for the Growing Schools Garden Summit provided us with inspiration and knowledge which we are sharing with many others. It was just the fertilizer our gardening program needed! Thank you!

Garden info...

We have 3 gardens and 1 hydroponic tower

Pollinator garden in lower division

Edible learning garden in upper division

Food Forest (in progress by gymnasium)

Hydroponic Tower (leafy greens new to PHA Fall 2022)

2 compost bins located in our upper division playground

Students recycle lunch waste from cafeteria

Our gardens have grown (or are currently growing)...

Avocados, oranges, pineapples, tomatoes, sweet potatoes (orange and purple), white potatoes, lemongrass, ginger, shampoo ginger, turmeric, rosemary, onions, broccoli, cauliflower, cabbage, amaranth, marigolds, lentils, hibiscus, lettuces, spinach, kale, bok choy, nopales cactus, aloe vera, succulents and more.

*Our largest plant stood over 18 feet tall before “Ian”. It is a Peruvian Cactus we call “El Lapiz”, “pencil” in Spanish. It broke in half during the storm but we will try to propagate our precious cactus.

*We use only natural and organic farming methods.

*Pest deterrents include planting marigolds, rosemary and other heavily scented herbs and sprinkling cinnamon and cornmeal on occasion for fire ants.

*We use potatoes for eating and for making stamps in art

*We plant marigolds repel pests, and use for natural dye for art

*We plant turmeric to eat and to use for natural dye for art

Check out our Healing Garden video:

<https://youtu.be/53ZFCHSitl8>





Pictures from Parke House Above and below pictures from the conference and the recycled garden art class I taught during the conference.





High school hydroponics classroom



The background is a bright yellow-green color with white, wavy, organic shapes. Various food items are illustrated in a simple, stylized manner: a carrot with green leaves in the top left, a strawberry, a kiwi, and a carrot with green leaves in the bottom left, a slice of watermelon in the top right, a bunch of green leaves in the middle right, and a carrot with green leaves in the bottom right. A small blue bird is flying above the text.

Green School Grant Photo Essay :)

School Ground Enhancements

School wide cleanup with over 50 participants. We cleaned the school grounds and recovered trash in order to beautify the school.



FUNDS USED: \$46.36

- Trash Bags
- Gloves
- Trash grabbers
- Prizes for attending

SIGNIFICANCE

Keeping our school clean provides a healthy, safe, and beautiful environment for somewhere we are every day. This also brought groups together for a common cause

Resource Conservation

Throughout the course of 4 months an after school committee (committed to attending weekly meetings after school) would design the recycling bins around our campus



FUNDS USED: \$25

- **Cleaning Supplies**
- **Paint Supplies**

SIGNIFICANCE

Our creative officers came up with this idea to further engage people to recycle. We were featured on our local school news from this project. This provides positive stigma to recycling

Health and Wellness

We delivered 35 plants to teachers throughout our campus to promote the “A Plant in Every Classroom” initiative.



FUNDS USED: \$110

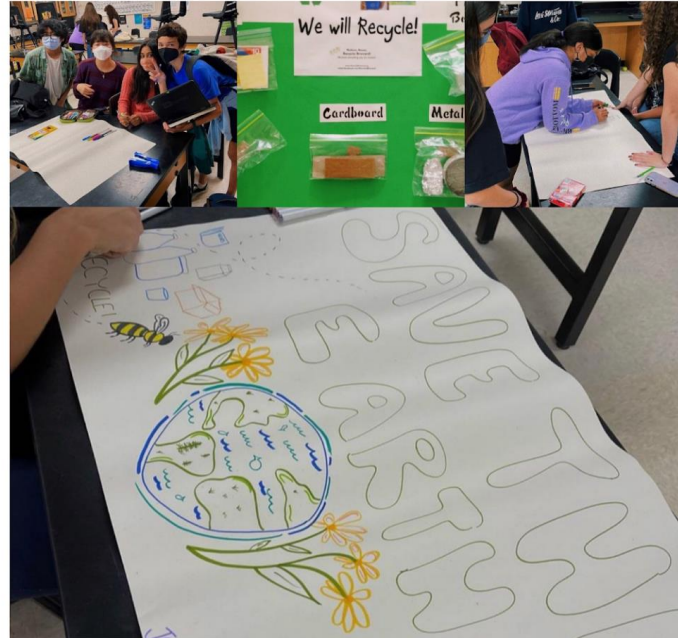
- 35 Plants
- Notecards
- 35 Terracotta Pots

SIGNIFICANCE

This organization focuses on making it easy for teachers to request and receive a plant free of charge. Studies show that plants increase focus and attention.

Curriculum Integrations

Our club created over 20 posters to hang throughout the school bringing awareness to environmental actions students can take.



FUNDS USED: \$23

- 20 posters
- Markets

SIGNIFICANCE

This opportunity provided a way for multiple students to learn about the impacts on environment and learn how to teach others. Additionally we got many positive remarks on this activity from teachers and administrators

Community Involvement

Our club organized a group of 15 to clean up a local beach and learn the importance of ocean conservation



FUNDS USED: \$15

- **Trash bags**

SIGNIFICANCE

Beach Cleanups are vital to mitigate the problem caused by ocean debris and the danger that plastic pollution poses to marine life

School Wide Culture

Our club organized an event where we let members paint tote bags to prompt farmers markets



FUNDS USED: \$66

- Tote bags (24)
- 2 sets of paints
- 2 sets of paint brushes

SIGNIFICANCE

Farmers markets provide opportunities for small farmers and businesses to sell products. This helps the spread of locally produced food which is environmentally friendly.

School Wide Culture

Decorated recycled goods and hung them up on trees for a new use.



FUNDS USED: \$33

- 2 sets of paint

SIGNIFICANCE

Repurposed recycled goods for a beautiful creation. Taught the lesson that anything can be reused if you are creative

Winter Park Garden Project

Trinity Preparatory
School

Background

The motivation and purpose for this native garden project is to create, promote, and nurture education, knowledge, and appreciation of plants, gardens and the environment through the enhancement and beautification of the campus' flora and fauna in a prominent location on the Trinity Preparatory campus. The long term vision of our native garden project is to improve the school campus, get all adults and students (not only the members of the Garden Club) informed on that passioning topic. We aspire to be recognized as one of the preeminent native gardens in the state of Florida one day, providing extraordinary student experiences, leadership in conservation, and a sustainable, multi-disciplinary curricular participation in the newly redesigned and beautified common space.

Student Involvement

Students will evaluate the pros and cons of location to buy the plants, blooming periods, water/sun/soil requirements, and fauna attracted for native plants. They will select the combination of native plants that are available at the local nurseries. After the students involved vote on the plants, Mrs. DeCoster will compile the final plan for approval. Next, the club president will purchase the plants using the money from the grant. Students will plant them appropriately on the garden beds where they will keep watch of the growth and conditions of the plants over the cold season. Once the warm days will allow it, and after redesigning the currently decaying Butterfly Garden, we will remove old plants from it to make room for the new. We will also remove the native plants from the garden beds and replant them at their final place in another area. Finally, the students in the Garden Club will maintain the plants each year, with the goal of growing in number in order to have more hands to improve other garden areas the school has.

Impact

This project will help students understand reducing water use, waste recycling and composting, and planting and caring for a native garden. It will provide opportunities for positive social interaction and recreation in a beautiful, non-threatening atmosphere where individuals of all ages and backgrounds may interact in a healthy pursuit. It will nurture curiosity and provide hands-on learning opportunities for students by providing natural space for use in teaching course curriculum. It will offer a quiet and restful garden setting for the enjoyment of the natural world of plants, colors, scents, birds, and insects through the four seasons. It will revitalize a prominent part of campus by improving visual aesthetics and providing a place for people to reconnect with nature in a tranquil setting. The garden will contribute to cooler urban temperatures on campus, reduce air pollution, filter rainfall, and improve ground infiltration. It will also provide habitat for pollinators, songbirds, and urban wildlife.

Sustainability

By utilizing the proper principles of landscaping, we will be helping to protect the natural environment around us for future generations to enjoy. These include: right plant, right place; water efficiently, fertilize appropriately, mulch, attract wildlife, manage yard pests responsibly, recycle yard waste through composting, reducing stormwater runoff, and protecting our waterfront.

We chose plants considered host of butterfly caterpillars to feed them during their growing season before metamorphosis. We also chose plants that provide nectar to butterflies and hummingbirds. Therefore, we preserve and prolong the chain of birth and grow of these amazing insects.

Project Budget

The entire budget will be spent on the plants, soil, equipment, and materials that will be used to make up the garden. The border for the garden will be created using materials. The tools needed for planting will be borrowed from the school community and members. Students and Mrs. DeCoster will complete the preparation and planting. Ongoing operations will be implemented by the efforts of the garden club and may require additional expenses. Hardscaping materials will be used from the Garden Club's equipment.

Project Budget cont.

Item	Vendor or Location	Estimated Cost
Plants	Lukas Nursery	\$280
Plants	Home Depot	\$150
Equipment	Amazon	\$50
Mulch/Fertilizer	Lukas Nursery	\$70

Before usage of budget



After usage of budget



Future Plans

Most of the budget has already been spent on plants, soil, and materials. In the future, we have plans to buy irrigation equipment to water the garden beds when students can not water regularly -for example, during summer months. We will also buy mulch to insulate their roots during the winter.

A list of native plants that would be best for the school and for our goal to attract more pollinators, was made after consulting a worker of a nursery. Currently, these are the plants that have been planted in the garden beds: Lantana, Agastache, Stoke's Aster, Goldenrod, Salvia coccinea, Gaillardia Flower, Coreopsis, Firebush, Wild Coffee, Aquatic Milkweed, Frogfruit, Coontie palm, Passionflower vine, Coral Honeysuckle vine. Once these plants roots have grown during the cold days in the garden beds, they will be transplanted during the warm season to the Butterfly Garden which is at another section of the school campus.

Native plants for butterflies & hummingbirds

Lantana



Agastache



Stoke's aster



Goldenrod



Gaillardia
Blanket Flower



Salvia coccinea



Coreopsis



Firebush



Wild coffee



Aquatic milkweed



Frogfruit



Coontie palm



Passionflower vine



Coral honeysuckle



Inspiration

Three of our Garden Club members shared in this video some of the reasons why they joined the Garden Club. Even though our main goal this year is to redesign, refresh, and enlarge the Butterfly Garden with native species, the Garden has also traditionally carried the passion for gardening fruits and vegetables, some of which serve for the food our school chef makes at the cafeteria.

*Please, click on
the picture to
watch the video*





Keep Winter Park
Beautiful &
Sustainable
Advisory Board

agenda item

item type Board Comments	meeting date November 15, 2022
prepared by Victoria Tabor	approved by
board approval	
strategic objective	

subject

Green Minutes

motion / recommendation

background

alternatives / other considerations

fiscal impact



Keep Winter Park
Beautiful &
Sustainable
Advisory Board

agenda item

item type Board Comments	meeting date November 15, 2022
prepared by Victoria Tabor	approved by
board approval	
strategic objective	

subject

New Business / Announcements

motion / recommendation

background

alternatives / other considerations

fiscal impact



Keep Winter Park
Beautiful &
Sustainable
Advisory Board

agenda item

item type Upcoming Agenda Items	meeting date November 15, 2022
prepared by Victoria Tabor	approved by
board approval	
strategic objective	

subject

Discussion for Upcoming Agenda Items

motion / recommendation

background

alternatives / other considerations

fiscal impact