



Keep Winter Park Beautiful & Sustainable Advisory Board Regular Meeting

Agenda

August 16, 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.

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please note

Times are projected and subject to change.

-
1. **Call to Order**
 2. **Consent Agenda**
 - a. Approve meeting minutes for July 19th, 2022 2 Minutes
 3. **Public Comments (for items not on the agenda): Three minutes allowed for each speaker**
 4. **Action Items**
 - a. Sustainability Action Plan 2022 Review 20 Minutes
 - b. OCPS 9th Annual Green Schools Banquet – October 20th at Camping World Stadium
OCPS – Jenny Jaegal 5 Minutes
 - c. Sponsorships start at \$1,000 dollars, does KWPB&S want to be a sponsor 5 Minutes
 5. **Non-Action Items**
 - a. Electric Vehicle Fleet Update. City has 8 EV's and 4 on order 5 Minutes
 6. **Staff Updates**
 7. **Board Comments**
 - a. Green Minutes 5 Minutes
 - b. New Business/ Announcements 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	August 16, 2022
prepared by	Victoria Tabor	approved by	
board approval			
strategic objective			

subject

Approve meeting minutes for July 19th, 2022

motion / recommendation

background

alternatives / other considerations

fiscal impact

ATTACHMENTS:

[KWPBS 0719.22 Meeting Mins](#)



Keep Winter Park Beautiful & Sustainable Advisory Board Virtual Minutes

July 19, 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, Mark J Yonker

Absent: Rishona S Teres

City Staff: Gloria Eby; Director of Natural Resources and Sustainability, Sara Miller; Sustainability Manager, Mia Brady; Sustainability Specialist, Johnny Miller; Event Manager, Victoria Tabor; Admin Coordinator/Recording Secretary

Guest: Mikayla Miller; Community Outreach Librarian - Winter Park Library

(1) Call to Order

Meeting called to order by Kay Hudson at 11:48 AM.

(2) Consent Agenda

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

(3) Staff Updates

Kay Hudson is working with Sara Miller and Mia Brady on the sign recycling sign initiative. Winter Park is collaborating with Orange County and the City of Orlando on this initiative and have already had two meetings. In these meetings, they have been discussing how to stay consistent with messaging and social media. Kay, Sara and Mia have reached out to half of the candidates that are running in the election, asking for contact information so they can share a social media package with them. This package will come from the Winter Park communications team and provide details about where the drop off locations for the signs will be. Kay and the League of Women Voters may still be handing out post-it notes with a QR code on them, which links to information about the initiative. These can be used as reminders to the voters for what to do with their signs after the election. Kay would be using League of Women Voter funds to pay for these post-it notes. The League of Women voters may host micro drop-off locations at local churches in addition to the ones in Winter Park, Orlando, and Orange County. End of July is the cutoff for getting this initiative organized, as the primary election is the second week of August. Kay shared that Seminole and Volusia County also have this program in place. In Seminole County, the League of Women Voters has been in contact with the political parties about sign recycling, but Kay has not been able to reach the political parties in Orange County. Stephen Pategas suggested that Kay, Sara, and Mia reach out to the supervisor of elections to post information on their website. EV Car Show - September 24th. The event has been registered on driveelectricweek.org and a Kia EV6 has registered so far. Mia Brady has been working on this event. Stephen shared that he has a neighbor who might be interested in bringing his Tesla. Commissioner Weaver has also agreed to bring his Tesla and Mia is going to reach out to his neighbor who brought their car to Earth Day. For the Sustainability Fair aspect of the event, there will be two city tables, one for KWPB and one for the Green business Recognition Program and the Sustainability Division as a whole. Mikayla Miller will have a table with the Library to show off their seed bank. 15 Lightyears, who performs residential energy audits within the city, and ChargePoint, who runs the city's EV charging stations, will also have tables at this event. Johnny Miller shared that the event was going to be held in the municipal parking lot across the street from the farmer's market but, after talking with Jason Seely at the Parks Department, the event will now be held in the West

Meadow. This way, the vent will be directly next to the market and attract a wider audience. That way, the parking lot won't have to be closed and people will not have to cross the street to get to the EV show. The event can also be advertised at the farmer's markets leading up to the 24th. Kay suggested that the City should provide one of their EV vehicles for the event and wants to know why the city doesn't have more electric vehicles. Johnny has reached out to the Building and Permitting Department and they gave us a verbal agreement to use a vehicle. He needs to follow up with them regarding the event details. Stephen and Mark Yonker both have potential contacts for this event.

Department Facebook page is live. It is the Winter Park Natural Resources and Sustainability page and already have four posts. The first post is our staff photo and introduces the department. There are also posts about our latest clean-up as well as one about removing invasive species in our lakes. The Facebook Page will be instrumental in marketing our department and we will create different "series" for various topics (i.e. solar). The Facebook page will showcase all of our programs, updates, and information for residents to easily comprehend. The department will also be updating the website thoroughly.

Green Schools Grant Updates. Sara shared that we are behind in getting the schools access to their required course but we have reached out to all of the schools that received the grant in the last two weeks. Someone from those five schools will need to take a course from USGBC that is three hours long. They were supposed to have from May to the fall to complete their requirements but because we had not sent out the course details, they now have until October 28th. In the future, we may change the requirement so they would be presenting their project in front of the KWPB board. Currently, they just have to submit their deliverables to our Department. Mia added that because it is currently summer and students are not on campus, it is harder for the schools to get the projects going and we may play with the deadlines in the future. Stephen asked if we are still going to award five grants in the future or if there is a possibility to give more. Sara shared that any school in Winter Park is open to apply for the grant. Gloria said that because all of the projects sounded meaningful, it made sense to split it among those five. Mia shared that each school was awarded roughly two hundred dollars and, in the future, we will need to think about if we want more funds to less schools to maximize impact or if that amount is satisfactory. Sara also said that going forward she would like to check in more with the schools to help them brainstorm meaningful projects, other than just pollinator gardens. She would like to see the schools helping each other figure out sustainable initiatives.

Waste diversion - composting. We have planned to work with O-town compost on the events that we oversee and the Track Shack races. At the July 4th 5K, O-town collected over 432 pounds of compost. And from the board appreciation event, they diverted over 84 pounds. The vendor makes it very easy for us at these events. Charlie from O-town compost is very eager to collaborate with the City and he was also speaking to Alex at the Event Center about helping with more of their events. Johnny mentioned that the waste diversion center at the event was very unique and doable for future events. He thinks it made a very positive impact on the people at the event. He was also very impressed with the caterers and their efforts to be sustainable.

Energy Conservation Program. The department has had 11 audit requests so far and eight have been scheduled. There have been around 5 requests per week. They have also received 3 rebate requests. We had to restock on the audit kits due to demand for the energy audits. The city's communications team is working on getting the information out in the next utility bill. Our department will also be spreading the word on Facebook. Kay asked for clarification about if people who live in the city of Winter Park but don't have the Winter Park utilities can still take part in this program. But the answer is no because the rebate is applied to their bill as a credit. Duke and OUC do offer the same program so everyone has this option. Sara shared that the department will be looking into more rebate options in the future.

Clean-up events. Last weekend, 7/16, there was a tree planting and park clean-up event in Ward Park. Eight Cypress trees were planted and the volunteers collected 60 pounds of trash. The first Recognized Green Business of the year, Cypress Bank, was there to help. A group from Full Sail University was also at the planting and took video content with a professional camera crew, which they will share with us. More clean-ups are being planned as our current goal is one a month. There will be a clean-up in August with a private group, the WP Library with the Teen Library Board. And in October will be the large Green Business Clean-up. Stephen mentioned that the tree planting was a good aspect of the event because of the lasting impact and Mia talked about how the reforestation of that part of Ward Park will happen in phases. Gloria briefly talked about how our department has a focus on restoring and restoring natural areas in Winter Park with places like Ward Park and Howell Branch Preserve. Kay asked about invasive species management in Howell Branch and Gloria shared that over the past two years, spraying has targeted a species called skunk vine and

has unfortunately impacted some native species as well. We will be going in, at some point, to restore those spots by planting natives. That project is currently under public comment and input, but the restoration cannot move forward until there is movement with the trail system project. Gloria explained that this is a “forever” project because it will need to be nurtured and managed forever. Although there have been two major clean-up events, one with the SWAT team where they took out over 250 pounds of trash, there is still lots of litter on the preserve. Kay asked about plans to remove invasive and Gloria clarified that invasive treatments would fall under the restoration category with replanting native species. Engaging the community would be most effective for trash removal instead of removing plants. UFC Ideas for Us was the last group to clean up trash at How Branch. Gloria explained the grant that the Department is using to fund projects for the preserve. Because it is in such a dense urban area, Howell Branch should be recognized as a unique focal point of Winter Park. Residents are concerned about privacy and safety but the commission will have the final say on what happens.

Green Business Recognition Program. A city-wide clean-up is being organized in October that will recognize the businesses that have signed up. Audacity, a local news station, will be helping us promote this event by highlighting our programming on their radio stations.

Rollins College collaboration. Mia is going to campus in August to meet with their Bonner students, who need service hours in order to keep their scholarships. They are interested in clean-ups or other service projects in the future. Mia has also been in contact with their Environmental Studies Administrator about potential interns.

Energy. Staff are waiting to see if one of the existing contracts will suffice for getting the city building energy audits complete. Purchasing has to review and look into legality. Quantum Technologies was selected for the renewable energy contract and the city is just waiting for all the paperwork to go through for that process to start. Sara and Mia have been working with Agnieszka to learn how to conduct the Green House Inventory and all of her training sessions have been recorded. She was contracted by the city to complete the 2021 GHG inventory update. This is an annual recording that will be completed for this current year in January of 2023. This is a really useful way for the department to see where the majority of our city and internal emissions are coming from. Because we have our own utility, we have an advantage over other cities who have to request their information from outside companies, like Orlando with Duke and OUC.

SAP Update. Benchmarking the greenhouse gas emissions will be a part of the updated SAP, which has been a priority for the department. Because there have been many changes with COVID and staffing, the previous Sustainability Action Plan has been thoroughly scrubbed and edited. In the next week or two, the board will be receiving the SAP to review the edits and those will be discussed during the next board meeting. This will be in preparation for the work session with the City Commission on September 29th, where the plan will be presented and hopefully adopted. Kay wanted to know how extensive the changes are to the new plan and how they would be comparing the new edits.

(4) Public Comments (for items not on Agenda)

Mikayla Miller, Community Outreach Librarian, from the Winter Park Library gave the following updates to the board regarding their Maker Day event. At the event, they served over one hundred people between their macramé making class and planting flowers using the seed library. They are working on getting ready for their seed library launch in the fall.

The library has received positive public responses about this program and people want to see it continue to grow. Kay Hudson wants to see more native plant seeds being passed out in the future. The library’s current focus is food sustainability and they use UFIFAS for plant recommendations. Mikayla informed the board that the library will be providing seeds for bush beans (an organic variety), broccoli (an organic variety), collard greens, bell pepper, tomato, cucumbers, basil, thyme, rosemary, and cilantro. They want to be inclusive to everyone by providing seeds that can be grown within a home or in a full garden.

(5) Non-Action Items

Gloria Eby provided updates on the seed library funding. In the last meeting, the board had asked about where the funds stood and where they were being generated from. Funding for the upcoming fiscal year had

been motioned and approved by the board at that time. Staff are moving through the procurement process to get a direct check to pay the Library for the seed replenishment.

(6) Action Items

No Action Items.

(7) Public Hearings

No Public Hearings.

(8) Board Comments and Green Minute

Mark Yonker brought up how expensive EV vehicles are due to supply chain issues and gas prices rising. Kay wants to know if the city is focusing on getting more electric vehicles.

Stephen Pategas made a motion to discuss the city's fleet and to put EV vehicle funding on the next agenda and Carey Bond seconded. The motion passed.

(9) Adjournment

Stephen Pategas made a motion to adjourn and Ben Ellis seconded. Meeting adjourned at 1:03 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 August 16, 2022
prepared by Victoria Tabor	approved by
board approval	
strategic objective	

subject

Sustainability Action Plan 2022 Review

motion / recommendation

background

alternatives / other considerations

fiscal impact

ATTACHMENTS:

[Sustainability Action Plan 2022_no edits showing](#)

ATTACHMENTS:

[Sustainability Action Plan 2022_with edits shown](#)



Winter Park Sustainability Action Plan 2022 Update

Presented by:
Gloria Eby, Natural Resources and Sustainability Director
Sara Miller, Sustainability Manager
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 Sustainability Action Plan 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 Sustainability Action Plan with community involvement. The 2015 SAP, presented by Kris Stenger, Assistant Director of Building, Permitting & 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.

In 2022, the Sustainability Program was moved to the newly created Natural Resources and Sustainability Department. Due to prior sustainability staff no longer employed with the City in 2021, many programs were suspended and goals were not achieved. 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 an inventory of all SAP metric indicators to benchmark current status. This information is presented in the 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, Parks and Recreation, Tree Preservation, Planning & Zoning, 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

Highlights and Accomplishments

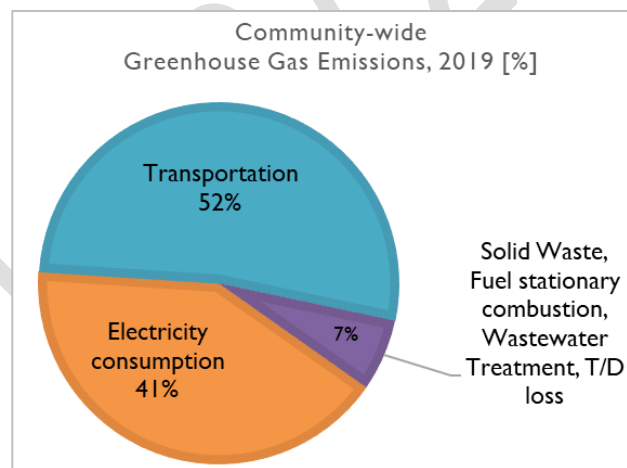
- [East Central Florida Regional Resilience Collaborative](#) Partner
- [Solar United Neighbors](#) Partner
- [America In Bloom's](#) 2020 Outstanding Achievement Award for Environmental Efforts
- [SolSmart](#) Gold Designee
- EV Charging Infrastructure Readiness Ordinances ([3203-21](#), [3204-21](#))
- 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 formally placed within the Natural Resources and Sustainability Department where the Program now is addressed as a Division to work collaboratively with the Lakes and Forestry Divisions
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, respond or reorganize 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 (52%) and electricity consumption-related (41%) 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 go towards 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](#). This scientific data is combined with information about the City of Winter Park's people, assets, and businesses to better understand current and future challenges with long-term operability and recovery.

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 standing of the City given pandemic and operational delays

Please note: The Department of Natural Resources and Sustainability conducted an inventory of SAP indicators to benchmark current status. This information is presented in subsequent tables labeled “**2021 Status**”.

INDICATORS

	Indicator Description	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	-	Upward trend	Upward trend
CR-4	Proportion of Residents within 1/2 mile of affordable, healthy food options ² – Baseline Year: 2012	-	46%	50%	maintain

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(s)
2022	Conduct Renewable Energy Feasibility Study	5.25.22 commission approved to move forward	Initiated	Sustainability Division, Quanta, & WP Electric Utility, Public Works

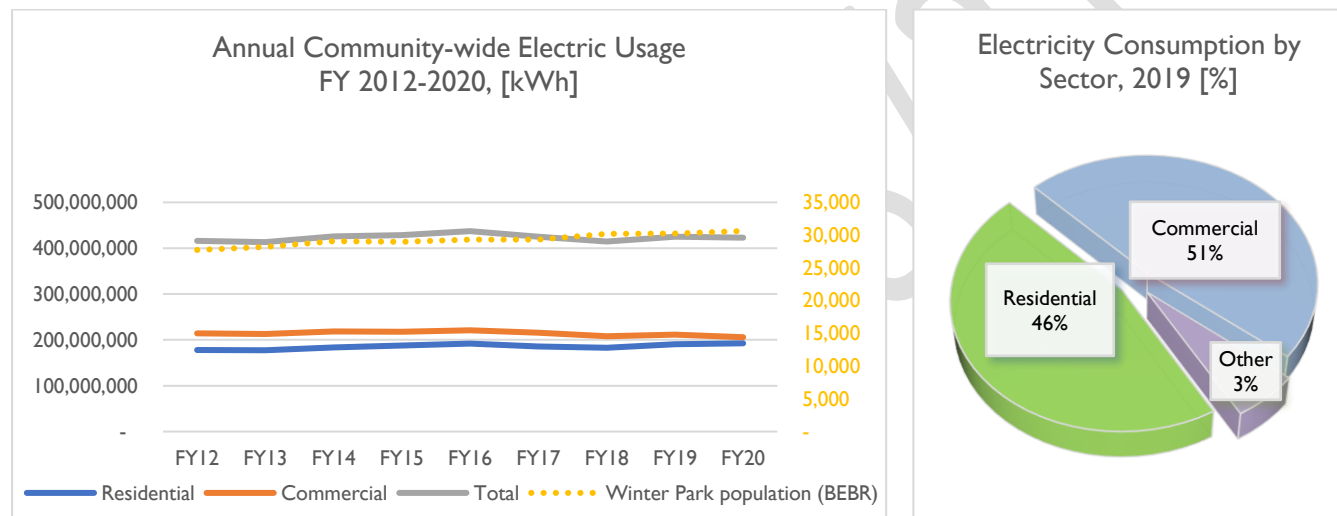
Projected Implementation Year	Action	Accomplished	Status	Responsible Department(s)
2022	Implement an Artificial Turf Ordinance which will help mitigate the number of houses that have artificial turf by addressing stormwater and sustainability concerns	No	None	Sustainability Division, Public Works
2022	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	None	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

Projected Implementation Year	Action	Accomplished	Status	Responsible Department(s)
2023	Establish community grants for food security and sustainability initiatives	No	None	Sustainability Division
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
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

Projected Implementation Year	Action	Accomplished	Status	Responsible Department(s)
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
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 (51%) and residential (46%) activities, while a smaller fraction (3%) is being used to power city scale infrastructure such as streetlights and transporting water and [wastewater](#). Between 2012 and 2021, electric usage per capita 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

INDICATORS

	Indicator Description	Baseline	2021 Status	2025 Target	2035 Target
E-1	Energy usage intensity in residential buildings [kWh/customer/year] – Baseline Year: 2012	15,263		TBD	TBD
E-2	Energy usage intensity in commercial buildings [kWh/customer/year] ¹ – Baseline Year: 2012	91,850		TBD	TBD
E-3	Residential building audits performed annually – Baseline: Average # of audits/yr and between 2017-2020	63	91	75	150
E-4	Residential Rebates provided annually – Baseline: Average # of audits/ yr and between 2017-2020	-	26	75	100

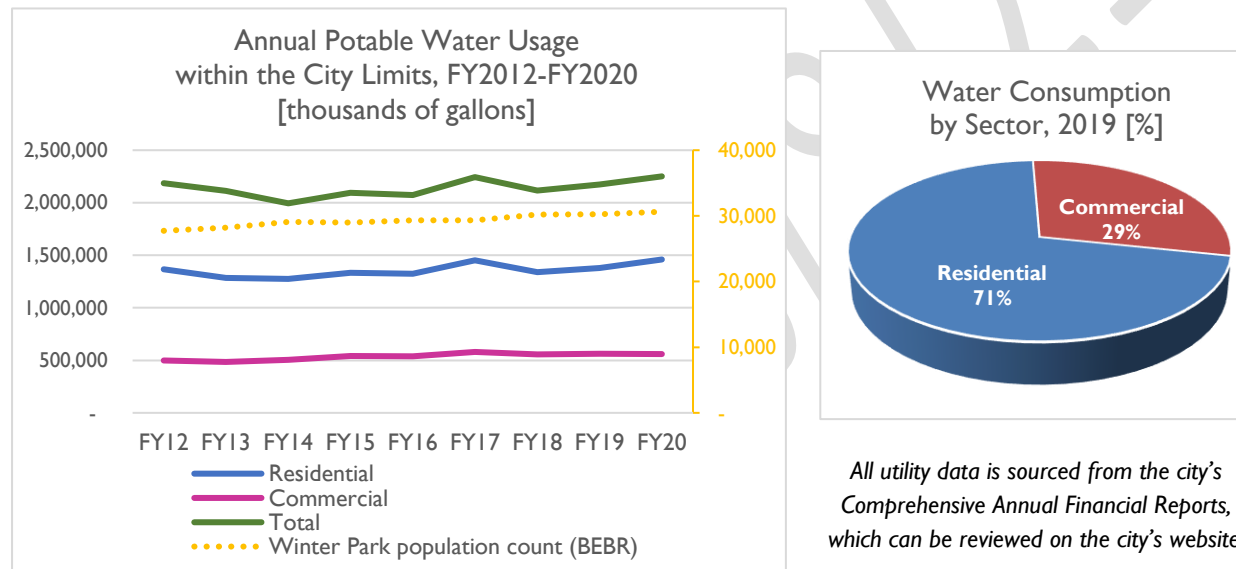
ACTIONS

Projected Implementation Year	Action	Accomplished	Status	Responsible Department(s)
2023	Internal employee energy conservation training – reduction in energy and water use. 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	None	Sustainability Division, WP Electric Utility
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
Continue 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

Projected Implementation Year	Action	Accomplished	Status	Responsible Department(s)
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.



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

INDICATORS

	Indicator Description	2012 Baseline	2021 Status	2025 Target	2035 Target
W-1	Water usage intensity in residential buildings [gallons/customer/year]	123,651		TBD	TBD
W-2	Water usage intensity in commercial buildings [gallons/customer/year] ¹	294,098		TBD	TBD
W-3	Reclaimed water usage [million gallons/year] ²	144.5		maintain	50% more
W-4	Residential Rebates provided annually	-	-	40	100

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

ACTIONS

Projected Implementation Year	Action	Accomplished	Status	Responsible Department(s)
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 customer upfront costs for connecting to the sewer system	No	None	WP Water & Wastewater Utility
2023	Explore a code requirement for commercial customers that encourages water conservation	No	None	Sustainability Division, WP Water & Wastewater Utility, 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

Projected Implementation Year	Action	Accomplished	Status	Responsible Department(s)
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	None	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	Yes	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 dept wide for Community engagement events – Baseline Year: 2012	12	1303.5	No less than 12	No less than 12
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 \$3,300/year	Equal or more than \$3,300/year

ACTIONS

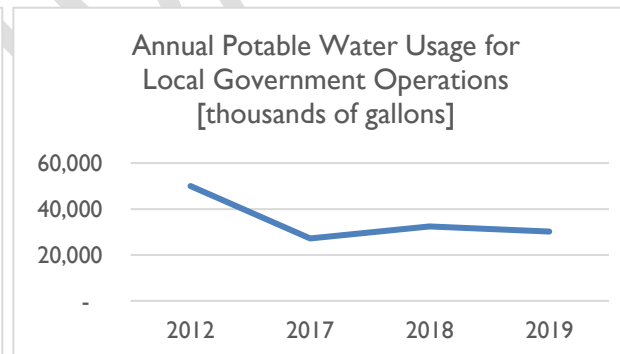
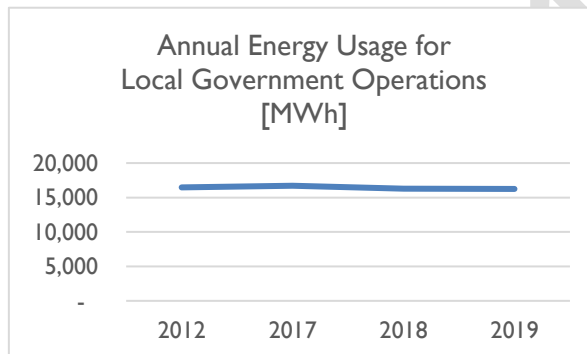
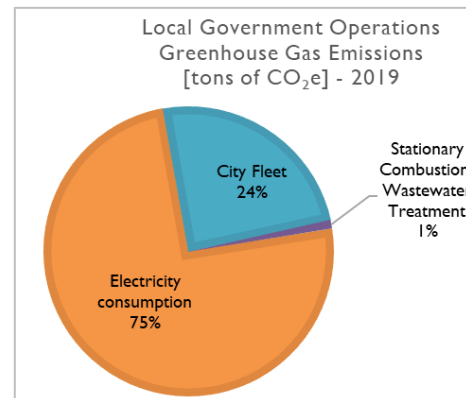
Projected Implementation Year	Action	Accomplished	Status	Responsible Department(s)
2022	Participate in America In Bloom's annual nationwide competition in addition to researching grant opportunities to help aid KWPB&S	No	Initiated	Sustainability Division/ KWPBS Board

Projected Implementation Year	Action	Accomplished	Status	Responsible Department(s)
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
Continue Annually	Provide education on Sustainability Division at Neighboring Community Events	Yes	Yes	Sustainability Division
Continue Annually	Create and implement environmental education opportunities at parks and city buildings (e.g., Mead Gardens, Howell Branch Creek, Dinky Dock and Fort Maitland)	Yes	Yes	Sustainability Division, Parks & Recreation, Communications

Local Government Operations

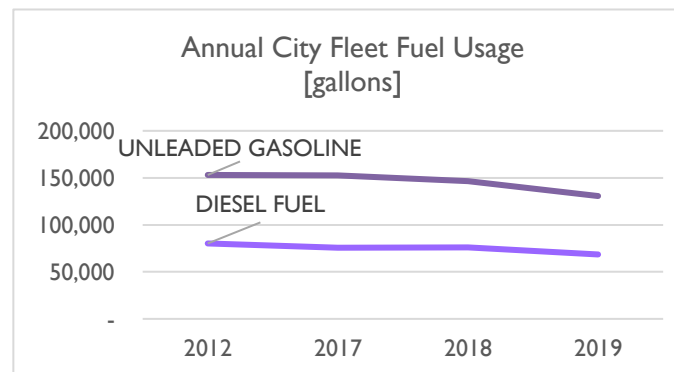
The Local Government Operations category outlines long term objectives and actions focused on reducing GHG emissions of municipal operations, increasing municipal facilities' resiliency to the impacts of climate change, and encouraging resource protection and conservation. Creating healthier and more 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 (24%) and electricity consumption-related (75%) activities contribute the largest proportion of greenhouse gases emissions in government operations. Energy usage has remained generally stable since the baseline year of 2012. Energy audits of city facilities would allow for the city to identify and select projects 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 are planned.

City fleet gasoline and diesel consumption has remained generally stable since the baseline year. 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 as well as available for public use.

OBJECTIVES

1. Increase the city's municipal facilities resiliency 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

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	8,734.51	40% less than baseline year	80% less than baseline year
LGO-2	Energy usage for Local Government Operations [MWh/yr]	16,471	16,442.87	5% less	15% less
LGO-3	Installed renewable energy capacity [kW] ¹	0	266kW + Library	TBD	TBD
LGO-4	City-owned and city-operated facilities audited	3	3	50%	100%
LGO-5	Potable water usage [million gallons] ²	49.5		50% less	TBD
LGO-6	City Fleet fuel usage [gallons of unleaded gasoline] ³	143,268	126,747	Downward trend	TBD
LGO-7	City Fleet fuel usage [gallons of diesel fuel] ³	83,142	64,929	Downward trend	TBD
LGO-8	Number of city-owned Electric Vehicles ⁴	0	8	Increase	Increase
LGO-9	Number of Electric Vehicle charging Stations available for city business use [ports] ⁴	1	10	Increase	Increase

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

²Target will be determined upon renewal of St. Johns River Water Management District Consumptive Use Permit in 2025

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(s)
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	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	No	No	Fleet, Sustainability Division
2023	Pilot food waste collection program at a city facility (City Hall or Center Street)	No	No	Sustainability Division
2024	Develop educational programs for city employees that cover best practices for workplace energy & water conservation, sustainable transportation modes and waste management; include fun incentives like Sustainability Olympics/Challenges	No	No	Sustainability Division, Human Resources
2024	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
2024	Explore opportunities to install 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
2024	Explore ways to quantify waste generated from city offices	No	No	Sustainability Division

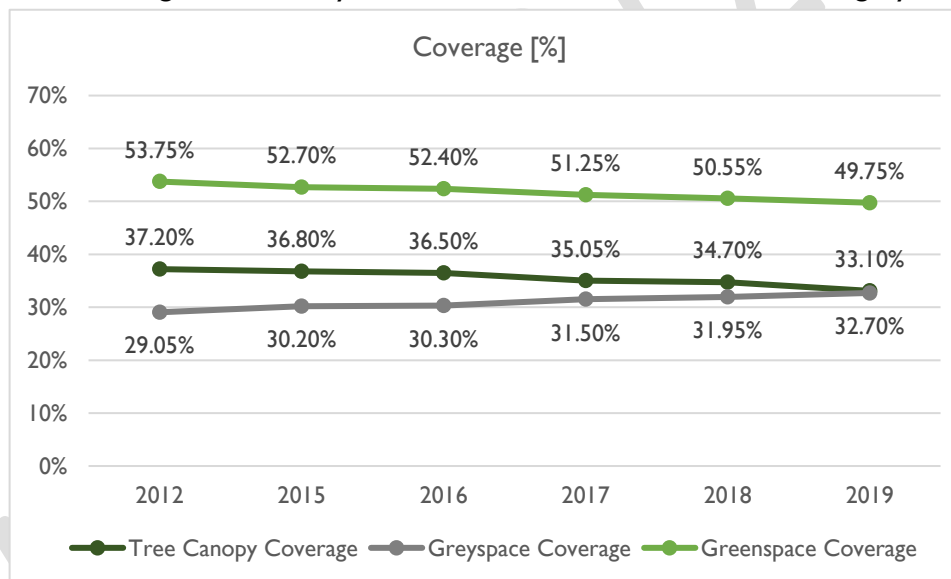
Projected Implementation Year	Action	Accomplished	Status	Responsible Department(s)
2024	Design and implement a sustainability procurement policy that is fiscally responsible, conserves natural resources, and aligns with sustainability goals	No	No	Procurement, Sustainability Division
2025	Upon renewal 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 <u>LEED</u> “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
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

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 2019.

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 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 encourages walking to mitigate localized air pollution and the greenspace provides habitat for wildlife species.

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.

OBJECTIVES

1. Maintain and expand an equitable urban tree canopy
2. Increase overall greenspace; parks and conservation space
3. Maintain # of lakes meeting good water quality standard
4. Increase residents’ and businesses’ knowledge of best practices for urban tree canopy maintenance
5. Increase residential awareness on pollution prevention of natural water resources, including impacts of stormwater runoff and over-fertilizing for Winter Park Lakes
6. Increase street trees within the city’s rights of way
7. Create Comprehensive Plan with Mead Botanical Gardens for reforestation and invasive species management.

INDICATORS

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

¹Includes Community Parks, Mini Parks, Neighborhood Parks, Open space/conservation, Special Purpose Parks which equaled 98% in 2020

²Lakes Baldwin, Berry, Killarney, Maitland, Mizell, Osceola, Sue and Virginia

ACTIONS

Projected Implementation Year	Action	Accomplished	Status	Responsible Department(s)
2022	Adopt Artificial Turf Ordinance	No	Initiated	Natural Resources & Sustainability Dept., Public Works

Projected Implementation Year	Action	Accomplished	Status	Responsible Department(s)
2023	Explore opportunities to incentive property owners and developers to preserve existing trees on private property	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
2023	Implement <u>Lake Vegetation Index Bio Assessments</u> to benchmark and track the health of WP's Shorelines	No	No	Lakes Division
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	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

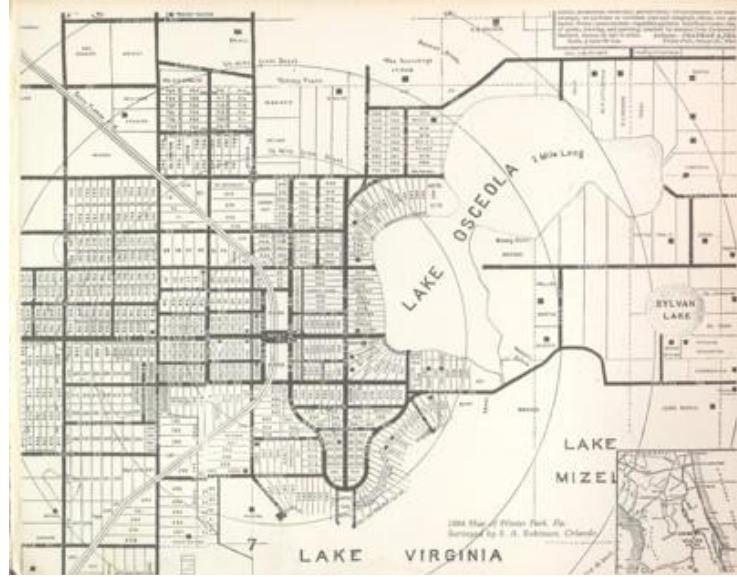
Projected Implementation Year	Action	Accomplished	Status	Responsible Department(s)
2023	Establish Lakes Newsletter to inform citizens on the importance of lake side living	No	No	Lakes Division
2023	Establish a lakes side living checklist for use when hiring lawn care/maintenance to prevent excess fertilizers and grass clippings from entering our waterways	No	No	Lakes Division
2024	Enhance tree canopy coverage via the urban forest management plan and update every 5 years	No	No	Urban Forestry
Continue Annually	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	Yes	Ongoing	Lakes Division, Sustainability Division, Communications
Continue Annually	Incorporate opportunities to build a green infrastructure (bio-swales, rain gardens, green roofs, etc.) demonstration project within the city limits	Yes	Yes	Sustainability Division, Parks & Recreation, Planning & Transportation Stormwater Division
Continue Annually	Explore Funding to support green infrastructure and tree canopy development	Yes	Yes	Urban Forestry, Natural Resources & Sustainability Dept.
Continue Annually	Increase beneficial native aquatic plant shorelines for all Winter Park Lakes	Yes	Ongoing	Lakes Division
Continue Annually	Administer <u>integrated aquatic plant management program</u>	Yes	Ongoing	Lakes Division

Projected Implementation Year	Action	Accomplished	Status	Responsible Department(s)
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	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 contributor (52%) to the city's community-wide GHG emissions. Climate Resiliency emphasizes the need for people to choose more sustainable transportation options.



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.

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.

OBJECTIVES

1. Improve pedestrian and bicyclist environments with sustainable and safe transportation infrastructure such as sidewalks, multimodal paths, and transit shelters
2. Encourage 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	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	-		1 mile (cumulative)	3.5 miles (cumulative)
TUF-2	Pedestrian infrastructure improvements (enhanced crossings) [improved site/year] ² - Starting year 2022	-		10	25
TUF-3	Bicyclist infrastructure improvements (enhanced crossings, bike racks, bike repair stations) [improved site/year] ² - Starting year 2022	-		15	30
TUF-4	Improved transit stops (benches, transit shelters, waste receptacles, etc.) [improved transit stop/year] ² - Starting year 2022	-		2	4
TUF-5	Public and Private EV Charging Stations [# of Ports] ³	7		10	25

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

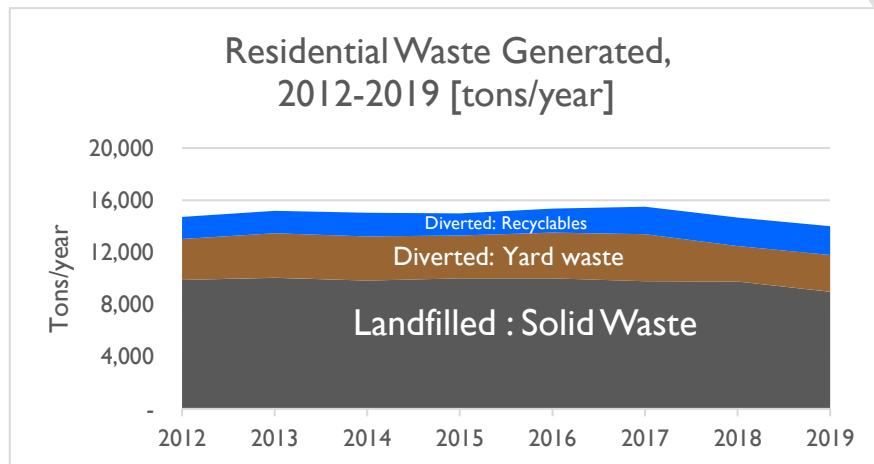
ACTIONS

Projected Implementation Year	Action	Accomplished	Status	Responsible Department(s)
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	No	Planning & Transportation, Sustainability Division
2023	Explore feasibility of incentive program for EV Charging Station installation in multifamily and commercial properties	No	No	Sustainability Division, Building & Permitting, WP Electric Utility, Economic Development
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
Continue Annually	Maintain Electric Vehicle Charging Stations available to the public	Yes	Ongoing	Sustainability Division

Projected Implementation Year	Action	Accomplished	Status	Responsible Department(s)
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 located 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

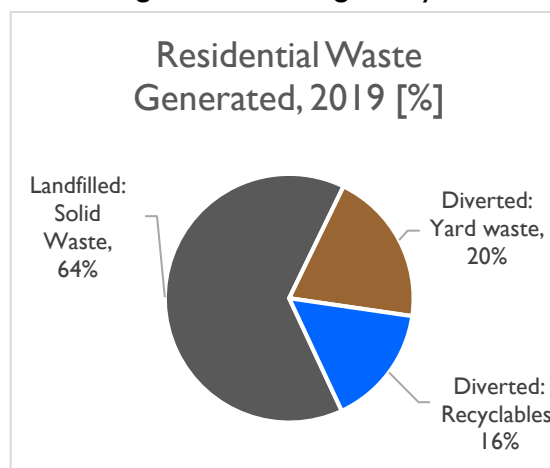
The Waste Management category is focused on reducing the amount of waste generated, encouraging the reuse and repair of products, and diverting waste from the landfill. The EPA developed the non-hazardous materials and [waste management hierarchy](#) in recognition that no single waste management approach 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. In recent years, the city has had very few rejected loads. 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		5% less	10% less
WM-2	Residential Solid Waste Landfilled [tons]	9,890		10% less	20% less
WM-3	Residential Waste Diverted from Landfill [tons] ²	4,824		5% less	10% less

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	No	Initiated	Sustainability Division
2022	Analyze implementation of a Food Waste Diversion Program for Center Street and Farmer's Market	No	No	Sustainability Division
2023	Maintain the list of the city's Registered Haulers	No	No	Sustainability Division
2023	Assist multi-family and commercial buildings with creating recycling education and outreach plans	No	No	Sustainability Division, Economic Development
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	Increase recycling opportunities at city-owned public facilities and parks	No	No	Parks and Recreation, Sustainability Division

Projected Implementation Year	Action	Accomplished	Status	Responsible Department(s)
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

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.



Winter Park Sustainability Action Plan

2022~~21~~ Update

Presented by:

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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 planet-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 Sustainability Action Plan 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 Sustainability Action Plan with community involvement. The 2015 SAP, presented by Kris Stenger, Assistant Director of Building, Permitting & 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 2021 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, in many cases, is not comparable to previous years. For this reason, many of the metrics’ trend data in for the this 2021 document are 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 assist the City in learning how 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.

In 2022, the Sustainability Program was moved to the newly created the Natural Resources and Sustainability Department. As Due to prior sustainability staff implementing the SAP was no longer employed within the City in 2021, city many target goals and programs were suspended and goals were not achieved. The 2022 SAP revision contains edits made to the 2021 SAP being and is now implemented by the implemented by the Sustainability Division consisting of the Sustainability Specialist, Sustainability Manager, and Natural Resources and Sustainability Director.

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In addition, ~~As a result of 2020-2021 of the above-mentioned Operational delays~~ ~~Delays due to the pandemic & program changes,~~ the Department of Natural Resources and Sustainability ~~conducted an~~ an inventory of all the SAP metric- indicators to benchmark -current status. This information is ~~provided~~ esented in the thesubsequent -following table ~~tables labeled: as “2021 Status”.~~

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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, Parks and Recreation, Tree Preservation, Planning & Zoning, Transportation and Utilities. Additional community input on SAP priorities were gathered using an online survey that had over 200 respondents (over two-thirds ~~of which~~ 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 ParkP Garden Club, Winter ParkP History Museum and Winter ParkP Public Library.

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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 ~~is to improve the quality, sustainability and aesthetics of our environment~~ in order to create a healthier, more beautiful place to live, work, and play.

2021 2 KWPB&S Board Members	Appointed By	End of Term
Ben Ellis, <u>Vice Chair</u>	Mayor Anderson	2024
<u>Danielle Flipse, Vice Chair</u>	<u>Commissioner Sullivan</u>	<u>2023</u>
Carey Bond	Commissioner DeCiccio	2023
<u>Mark J Yonker Lynne Bachrach</u>	<u>Commissioner Cruzada</u> <u>Mayor Anderson</u>	<u>2025</u> <u>2024</u>
Kay Hudson, <u>Chair</u>	Mayor Anderson	2024
Stephen Pategas	Commissioner Weaver	<u>2025</u> <u>2</u>
<u>Rishona S Teres</u> <u>Rosemary Salow</u>	<u>Commissioner Sullivan</u> <u>Commissioner Cooper</u>	<u>2023</u> <u>2022</u>

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Highlights and Accomplishments

- East Central Florida Regional Resilience Collaborative Partner
- 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)

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- 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 formally placed within the Natural Resources and Sustainability Department where the Program now is addressed as a Division to work collaboratively with the Lakes and Forestry Divisions
- 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
- Awarded \$100,000 from the Department of Environmental Protection to go towards the City's Climate Risk Vulnerability Assessment

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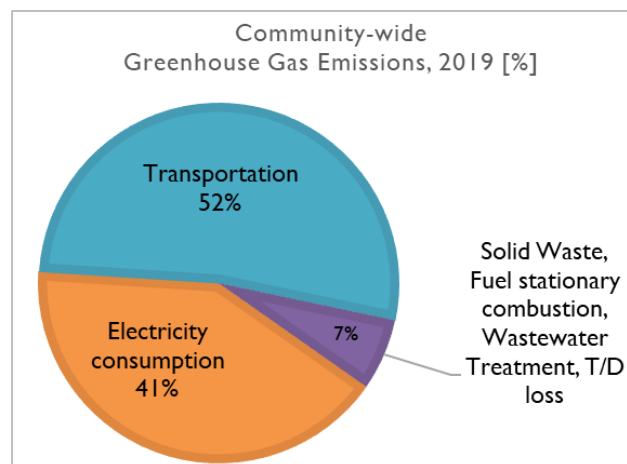
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Climate Resiliency

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, respond or reorganize in ways that allow the city to maintain its essential functions while also maintaining the capacity for adaptation, learning, and transformation. ~~The~~ 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 [administrative/organizational](#) boundary. Transportation-related (52%) and electricity consumption-related (41%) 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.



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Transitioning to ~~100%~~ 80% of renewable energy, for all electricity and transportation electricity by 2035 and for transportation by 2050 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 received was awarded \$100,000 of Grantin grant funding from the Florida Department of Environmental Protection to go towards our Climate Risk Vulnerability Assessment which will identify ways in which ourthe city is susceptible to harm from climate threats and vulnerabilities. We will utilizeThis uses science-driven data about climate threats and works with private and/ public organizations, the City's in addition to our Emergency Management Team, and FEMA. This scientific data is combined with information about the City of Winter Park's people, assets, and businesses to better understand current and future challenges towith long-term operability and recovery. of the City.

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 standing of the City given pandemic and operational delays

Please note: The Department of Natural Resources and Sustainability conducted an inventory of SAP indicators to benchmark current status. This information is presented in subsequent tables labeled "2021 Status".

INDICATORS

7.

	Indicator Description	Baseline	<u>2021</u> <u>TargetStatus</u>	2025 Target	2035 Target
CR-1	Proportion of renewable energy in Winter Park Electric Utility's Energy portfolio ⁺ – Baseline Year: 2012 <u>includes Covanta</u>	144%	<u>22%</u>	640% 0%	100% 80%
CR-2	Community wide greenhouse gas emissions [Tons of carbon dioxide equivalent] ¹² – Baseline Year: 2018	398,919	<u>405,394</u>	1410% less than baseline year	4135% less than baseline year

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CR-3	WP Electric Utility Customers with Solar ³ - – Baseline Year: 2012	7	—	Upward trend	Upward trend	Formatted: Bulleted + Level: 1 + Aligned at: 0.25" + Indent at: 0.5"
CR-4	Proportion of Residents within 1/2 mile of affordable, healthy food options ²⁴ – Baseline Year: 2012	-	46%?? 2019%	50%	maintain	Formatted: Justified

¹In 2020, the proportion was 20%; in 2024, 20MW 20MW bulk solar purchase will come online, raising the proportion to 240%; the 2025 target assumes an additional 10MW 20MW of renewables being added to the portfolio¹.

²2018 is the earliest year of available transportation emissions data using [Google EIE tool](#)

³By the end of 2020, there were 79 WP Electric Utility Customers with Solar

²⁴The baseline for this updated indicator will be calculated in ~~2022~~2023, previous indicator did not include “affordable” identifier

~~As a result of 2020-2021 Operational Delays due to the pandemic & program changes, the Department of Natural Resources and Sustainability conducted an inventory of the SAP indicators to benchmark current status. This information is provided in the following table:~~

ACTIONS

<u>Projected Implementation Year</u>	<u>Action</u>	<u>Accomplished</u>	<u>Status</u> Ongoing	<u>Responsible Department(s)</u>
<u>2022</u>	<u>Conduct Renewable Energy Feasibility Study – 5.25.22 commission approved to move forward.</u>	<u>N5.25.22 commission approved to move forward</u>	<u>Initiated</u> No	<u>Sustainability Division, Quanta, & WP Electric Utility, Public Works</u>
<u>Projected Implementation Year</u>	<u>Action</u>	<u>Accomplished</u>	<u>Status</u>	<u>Responsible Department(s)</u>
<u>2022</u>	<u>Implement an Artificial Turf Ordinance which will help mitigate the number of houses that have artificial turf by addressing stormwater and sustainability concerns</u>	<u>No</u>	<u>None</u>	<u>Sustainability Division, Public Works</u>
<u>2022</u>	<u>Adopt Backyard Chicken Program (exp. September 2022) to evaluate program outcomes and possibility of expanding and extending the program</u>	<u>No</u>	<u>Initiated</u>	<u>Sustainability Division, Planning & Transportation</u>

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 and to 80% of all energy (electricity, transportation and stationary combustion) used in the City to come from renewable resources by 2050 feasible target date	No	None	Sustainability Division, WP Electric Utility
2022	Develop a policy to replace gas-powered leaf blowers with alternatives that have fewer environmental and health impacts (e.g., air quality, noise pollution)	Yes	Yes	Sustainability Division, Economic Development
2023	Conduct a Climate Risk and Vulnerability Assessment via the DEP Resilient Florida Program \$100K grant funds. Upon completion, create Climate Mitigation and Adaptation Plan (CMAP) which will include creating resilience hubs within the city as well as 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
2022	Natural Resources and Sustainability Dept. to collaborate with community leaders for equality and resilience.	No	No	Natural Resources & Sustainability Dept., Emergency Management Team, Pubic Works, Commission, Public/Private organizations
2022	Implement an Artificial Turf Ordinance which will help mitigate the number of houses that have artificial turf by addressing stormwater	No	No	Sustainability Division, Public Works

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	<u>and sustainability concerns.</u>			
<u>2023</u>	<u>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</u>	<u>No</u>	<u>No</u>	<u>Planning & Transportation, Economic Development, Sustainability Division</u>
<u>2023</u>	<u>Adopt Backyard Chicken Program (exp. September 2022) to evaluate program outcomes and possibility of expanding and extending the program</u>	<u>No</u>	<u>No</u>	<u>Sustainability Division, Planning & Transportation</u>
<u>2023</u>	<u>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.</u>	<u>No</u>	<u>None</u>	<u>Sustainability Division, Communications</u>
<u>Projected Implementation Year</u>	<u>Action</u>	<u>Accomplished</u>	<u>Status</u>	<u>Responsible Department(s)</u>
<u>2023</u>	<u>Establish community grants for food security and sustainability initiatives</u>	<u>No</u>	<u>None</u>	<u>Sustainability Division</u>
<u>2023</u>	<u>Implement a food security policy. Must have community garden/ farm near most vulnerable areas and educate on reducing consumption of carbon-intensive foods.</u>	<u>No</u>	<u>None</u>	<u>Sustainability Division, GIS</u>
<u>2024</u>	<u>Research and design policies to increase green building standard requirements in residential & commercial developments</u>	<u>No</u>	<u>None</u>	<u>Sustainability Division, Planning & Transportation, Building & Permitting,</u>

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				<u>Economic Development</u>
<u>2024</u>	<u>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</u>	<u>No</u>	<u>None</u>	<u>Planning & Transportation, Economic Development, Sustainability Division</u>
<u>Continue Annually</u>	<u>Develop a policy to replace gas-powered leaf blowers with electric alternatives</u>	<u>Yes</u>	<u>Completed</u>	<u>Sustainability Division, Economic Development</u>
<u>Continue Annually</u>	<u>Evaluate potential for increasing proportion of Winter Park Electric Utility's Energy Portfolio coming from renewable resources (e.g., solar, wind)</u>	<u>Yes</u>	<u>OngoingYes</u>	<u>Sustainability Division, WP Electric Utility</u>
<u>Continue Annually</u>	<u>Conduct Community-wide Greenhouse Gas Emissions Inventory and track proportion of renewables in the WP Electric Utility's portfolio. Continue to report to CWPDP.</u>	<u>Yes</u>	<u>YesOngoing</u>	<u>Sustainability Division</u>
<u>Projected Implementation Year</u>	<u>Action</u>	<u>Accomplished</u>	<u>Status</u>	<u>Responsible Department(s)</u>
<u>Continue Annually</u>	<u>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.)</u>	<u>Yes</u>	<u>OngoingYes</u>	<u>Department of Natural Resources & Sustainability Dept.</u>

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<u>Continue Annually</u>	<u>Provide community wide education and outreach on reducing consumption of carbon-intensive foods</u>	<u>Yes</u>	<u>Yes</u>	<u>Sustainability Division</u>
<u>Continue Annually</u>	<u>Provide green building best practices (e.g., energy/water efficiency, tree conservation, waste management) education to building professionals and residents</u>	<u>Yes</u>	<u>OngoingYes</u>	<u>Building & Permitting, Sustainability Division, Urban Forestry</u>
<u>Continue Annually</u>	<u>Energy Conservation Rebate Program</u>	<u>Yes</u>	<u>OngoingYes</u>	<u>Sustainability Division</u>
<u>Continue Annually</u>	<u>Develop recommendations to the City Commission that would allow for broadband availability and choice, optimizing traffic flow, expanding public WiFi, environmentally friendly buildings, and enhanced public safety and security</u>	<u>Yes</u>	<u>OngoingYes</u>	<u>IT, Sustainability Division, Planning & Transportation, Police Dep., Public Works</u>
<u>Continue Annually</u>	<u>Explore opportunities for smart street lights able to gather local environmental data, optimize light energy consumption, and improve public safety</u>	<u>Yes</u>	<u>OngoingYes</u>	<u>IT, WP Electric Utility, Planning & Transportation, Police Dept., Sustainability Division</u>
<u>Continue Annually</u>	<u>Work with Planning & Transportation Department to ensure Comprehensive Plan Update incorporates sustainability and resilience related goals, objectives and policies</u>	<u>Yes</u>	<u>OngoingYes</u>	<u>Planning & Transportation, Sustainability Division</u>

Projected Implementation Year	Action	Action-Type	Responsible Department(s)
<u>Continue Annually</u>	<u>Evaluate potential for increasing proportion of Winter Park Electric Utility's Energy Portfolio coming from renewable resources (e.g., solar, wind)</u>	<u>Policy</u>	<u>Sustainability Program, W.P. Electric Utility</u>

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Continue Annually	Conduct Community-wide Greenhouse Gas Emissions Inventory and track proportion of renewables in the WPP Electric Utility's portfolio	Project	Sustainability Program
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.)	Collaboration	Sustainability Program
Continue Annually	Provide community-wide education and outreach on reducing consumption of <u>carbon-intensive foods</u>	Program	Sustainability Program
Continue Annually	Provide green building best practices (e.g., energy/water efficiency, tree conservation, waste management) education to building professionals and residents	Program	Building & Permitting, Sustainability Program, Urban Forestry
2022	Pass resolution committing the City to 100% of all electricity consumed in the City to come from renewable energy resources by 2035 and to 100% of all energy (electricity, transportation and stationary combustion) used in the City to come from renewable resources by 2050	Policy	Sustainability Program, WPP Electric Utility
2022	Solicit proposals to meet 100% Renewable Goals	Project	Sustainability Program, Procurement
2022	Develop recommendations to the City Commission that would allow for	Project	IT, Sustainability Program, Planning & Transportation,

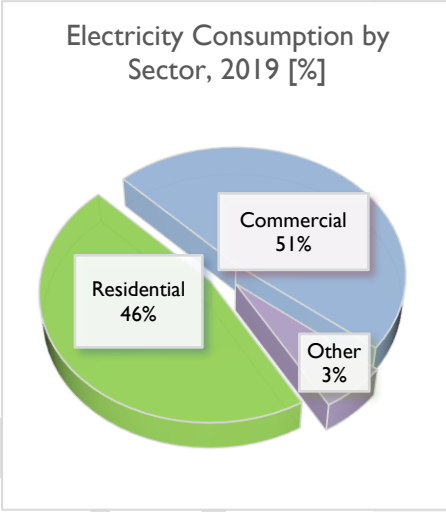
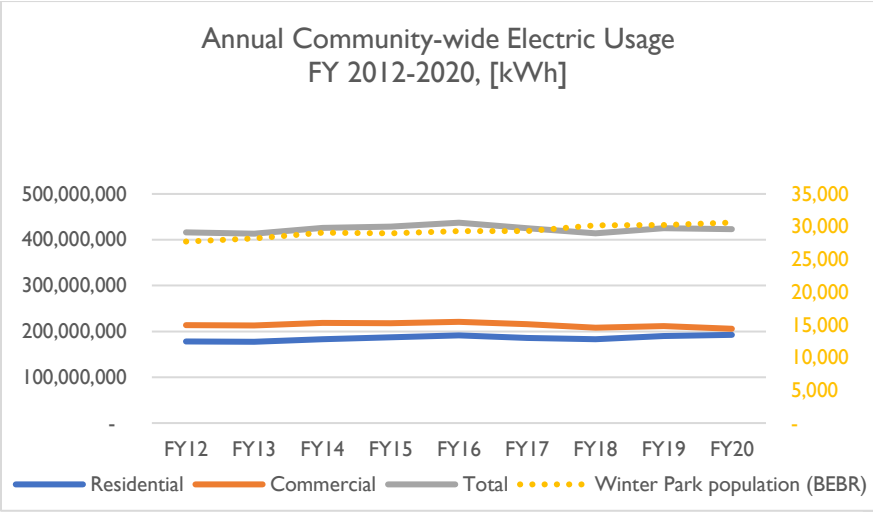
	broadband availability and choice, optimizing traffic flow, expanding public WiFi, environmentally friendly buildings, and enhanced public safety and security		Police Dep., Public Works
2022	Develop a policy to replace gas-powered leaf blowers with alternatives that have fewer environmental and health impacts (e.g., air quality, noise pollution)	Policy	Sustainability Program, Economic Development
2022	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	Policy	Planning & Transportation, Economic Development, Sustainability Program
2022	Revisit Backyard Chicken Pilot Program (exp. September 2022) to evaluate program outcomes and possibility of expanding and extending the program	Policy	Sustainability Program, Planning & Transportation
2022	Promote programs that expand access to seeds and increase the community's capacity to grow food locally	Program	Sustainability Program, Communications
2022	Provide community-wide education and outreach that promotes growing edible gardens at home, community-supported agriculture and local food consumption	Program	Sustainability Program
2023	Identify risks and vulnerabilities that climate change poses to the City of Winter Park by conducting a Climate Risk and Vulnerability Assessment	Project	Sustainability Program
2023	Explore opportunities for smart street lights	Project	IT, WP Electric Utility, Planning &

	able to gather local environmental data, optimize light energy consumption, and improve public safety		Transportation, Police Dept., Sustainability Program
2023	Work with Planning & Transportation Department to ensure Comprehensive Plan Update incorporates sustainability and resilience-related goals, objectives and policies	Project	Planning & Transportation, Sustainability Program
2023	Research and design policies to increase green building standard requirements in residential & commercial developments	Policy	Sustainability Program, Planning & Transportation, Building & Permitting, Economic Development
2024	Research and explore opportunities to create <u>resilience hubs</u> in the city	Project	Sustainability Program, Public Works, IT
2025	Upon completion of Climate Risk and Vulnerability Assessment, create Climate Mitigation and Adaptation Plan (CMAP)	Project	Sustainability Program
2025	Ensure CMAP includes actions that will reduce the impacts of climate change on human health, especially for the most vulnerable communities	Project	Sustainability Program

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, y and 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 ~~2019~~2021, implementing the prescribed actions is critical to achieving a more sustainable city. Electricity is primarily being used to power buildings for commercial (51%) and residential (46%) activities, while a smaller fraction (3%) is being used to power city scale infrastructure such as streetlights and transporting water and wastewater. Between 2012 and ~~2021~~2019, electric usage per capita remained generally stable.

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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 residential and commercial customers knowledge of energy efficiency and conservation best practices and benchmarking tools

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INDICATORS

	Indicator Description	Baseline	2021 Status2021-Target	2025 Target	2035 Target
E-1	Energy usage intensity in residential buildings [kWh/customer/year] [†] – Baseline Year: 2012	15,263		TBD	TBD
E-2	Energy usage intensity in commercial buildings [kWh/customer/year] [†] – Baseline Year: 2012	91,850		TBD	TBD
E-3	Residential building audits performed annually – Baseline: Average # of audits/yr and between 2017-2020	63	91	7575	100150
E-4	Residential Rebates provided annually – Baseline: Average # of audits/ yr and between 2017-2020Commercial buildings added to benchmarking portfolio per year – Baseline Year: 2012	0	26	1075	25100

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[†]Targets will be determined and baseline adjusted in 2022 to be in kWh/ square foot/year after GIS analysis project

ACTIONS

Projected Implementation Year	Action	Action Type	Responsible Department(s)
Continue Annually	Promote existing Energy Conservation opportunities such as audits and rebates	Program	Sustainability Program, WP Electric Utility, Communications
Continue Annually	Provide energy conservation kits and solar feasibility reports for customers that undergo energy audits	Program	Sustainability Program, WP Electric Utility
Continue Annually	Continue Sustainability Education Program in Winter Park Schools that includes energy and water conservation education	Program	Sustainability Program, WP Electric Utility
Continue Annually	Provide technical assistance and education to commercial property owners and tenants on Energy Star Portfolio Manager	Program	Sustainability Program
2022	Identify methodology for expressing energy use intensity in kWh per square foot for residential and commercial customers	Project	GIS, Sustainability Program
2023	Explore incentive programs for commercial customers that encourage energy conservation	Program	Sustainability Program, WP Electric Utility, Economic Development
2025	Explore feasibility of residential energy and water benchmarking and disclosure	Project	Sustainability Program, WP Electric Utility, WP Water & Wastewater Utility, Economic Development
2025	Establish commercial building energy and water benchmarking and disclosure policy	Policy	Sustainability Program, WP Electric Utility, WP Water & Wastewater Utility, Economic Development

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<u>Projected Implementation Year</u>	<u>Action</u>	<u>Accomplished</u>	<u>Ongoing</u>	<u>Responsible Department(s)</u>
<u>Continued Annually</u>	<u>Maintain competitive rates for WP Utility Customers</u>	<u>Yes</u>	<u>Yes</u>	<u>Sustainability Division, WP Electric Utility, WP Water Utility</u>
<u>Continue Annually</u>	<u>Promote existing Energy Conservation opportunities such as audits and rebates</u>	<u>Yes</u>	<u>Yes</u>	<u>Sustainability Division, WP Electric Utility, Communications</u>
<u>Continue Annually</u>	<u>Provide energy conservation kits and solar feasibility reports for customers that undergo energy audits</u>	<u>Yes</u>	<u>Yes</u>	<u>Sustainability Division, WP Electric Utility</u>
<u>Continue Annually</u>	<u>Continue Sustainability Education Program in Winter Park Schools that includes energy and water conservation education</u>	<u>Yes</u>	<u>Yes</u>	<u>Sustainability Division, WP Electric Utility</u>
<u>Continue Annually</u>	<u>Provide technical assistance and education to commercial property owners and tenants on Energy Star Portfolio Manager</u>	<u>Yes</u>	<u>Yes</u>	<u>Sustainability Division</u>
<u>Continue Annually</u>	<u>Implement Energy Efficient Technologies based on Energy Efficiency Study i.e motion detection lighting and programmable thermostats</u>	<u>No</u>	<u>Yes</u>	<u>Sustainability Division, WP Electric Utility</u>
<u>Continue Annually</u>	<u>Continue to pursue clean transportation options. Expanding City Fleet and EV Charging Stations for commuters.</u>	<u>Yes</u>	<u>Yes</u>	<u>Sustainability Division, WP Fleet Services, WP Utility</u>
<u>2023</u>	<u>Internal employee energy conservation training—reduction energy and water. Incentives used to help motivate.</u>	<u>No</u>	<u>Yes</u>	<u>Sustainability Division; Human Resources</u>
<u>2023</u>	<u>Conduct benchmark of all city buildings utilizing 70% of city electricity and identify technology for energy efficiency.</u>	<u>No</u>	<u>No</u>	<u>Sustainability Division, WP Electric Utility, WP Water Utility</u>
<u>2023</u>	<u>Explore incentive programs for commercial customers that encourage energy conservation</u>	<u>No</u>	<u>Yes</u>	<u>Sustainability Division, WP Electric Utility, Economic Development</u>
<u>2024</u>	<u>Identify methodology for expressing energy use intensity in kWh per square foot for residential and commercial customers via Smart Works Technology and Energy Star.</u>	<u>No</u>	<u>No</u>	<u>GIS, IT, WP Electric Utility, Sustainability Division</u>
<u>2024</u>	<u>Explore feasibility of residential energy and water benchmarking and disclosure in regards to allowing customers to see their consumption on their bill in hopes this will bring</u>	<u>No</u>	<u>No</u>	<u>IT, WP Electric Utility, Communications, Sustainability Division</u>

ACTIONS		renew and encourage them to conserve			
Projected Implementation Year	Action	Accomplished	Status	Responsible Department(s)	
2024 2023	Internal employee energy conservation training allowing reduction in energy and consumption on water bills. Incentives will be provided to encourage water conservation to employees.	No	No None	Sustainability Division; Human Resources	IT, WP Electric Utility, Communications, Sustainability Division
	Conduct Energy Efficiency				
2023	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	None	Sustainability Division, WP Electric Utility	
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	
Continue 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	

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<u>Projected Implementation Year</u>	<u>Action</u>	<u>Accomplished</u>	<u>Status</u>	<u>Responsible Department(s)</u>
<u>Continue Annually</u>	<u>Provide technical assistance and education to commercial property owners and tenants on Energy Star Portfolio Manager</u>	<u>Yes</u>	<u>Ongoing</u>	<u>Sustainability Division</u>
<u>Continue Annually</u>	<u>Continue to pursue clean transportation options. Expanding City Fleet and EV Charging Stations for commuters</u>	<u>Yes</u>	<u>Ongoing</u>	<u>Sustainability Division, WP Fleet Services, WP Utility</u>

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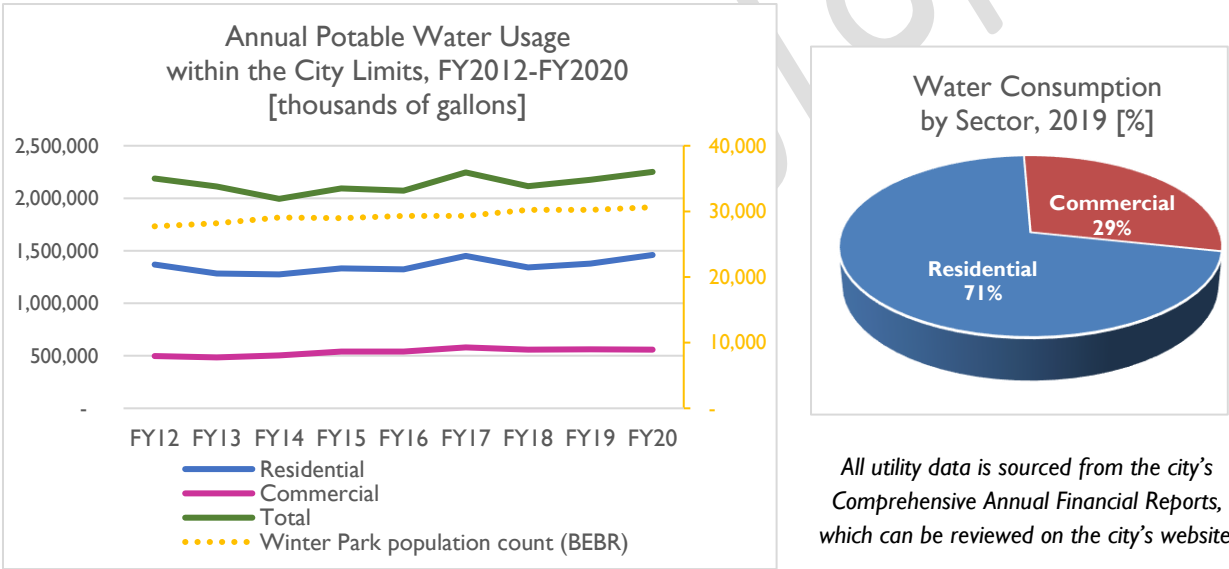
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Water

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 more effective monitoring of water usage, system efficiency, detecting malfunctions and recognizing irregularities. The city hopes to continue promoting irrigation rebate incentives such as our free at home energy audits and energy/ irrigation rebates in addition to providing water conservation education for residential, commercial, and Winter Park schools. Furthermore, as we increase renewable energy and energy efficiency our water efficiency will also increase.



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

INDICATORS

Indicator Description	2012 Baseline	2021 Status	2025 Target	2035 Target
		2021 Target		

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W-1	Water usage intensity in residential buildings [gallons/customer/year] ⁺	123,651		TBD	TBD
W-2	Water usage intensity in commercial buildings [gallons/customer/year] ¹	294,098		TBD	TBD
W-3	<u>Reclaimed water</u> usage [million gallons/year] ²	144.5		maintain	50% more
W-4	<u>Residential Rebates provided annually</u>	=	=	40	100

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

²For 2019: 102.2million gallons/year

ACTIONS

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

	<u>septic-to-sewer conversion projects</u>			<u>Water & Wastewater Utility; PW; Sustainability Division</u>
<u>2024</u> 2022	<u>Identify methodology for expressing water use intensity in gallons per capita upon renewal of SJRWMD Consumptive Use Permit; Increase public awareness of Florida-friendly landscaping and landscape irrigation regulations for city (internal), residential and commercial customers; i.e. raingardens and rain barrels</u>	<u>No</u> No	<u>None</u> Yes	<u>WP Water & Wastewater Utility, Sustainability Division</u> Program <u>WP Water & Wastewater Utility, Natural Resources & Sustainability Dept. Building & Permitting, Communications, Economic Development</u>
<u>2025</u> 2023	<u>Upon renewal of SJRWMD Consumptive Use Permit, review inverted water utility rate structure to increase water conservation efforts; Explore a code requirement for commercial customers that encourages water conservation</u>	<u>No</u> No	<u>No</u> Yes ne	<u>WP Water & Wastewater Utility; Sustainability Division, WP Water & Wastewater Utility, Economic Development</u>
Projected Implementation Year	Action	Accomplished	Status	Responsible Department(s)
<u>2025</u> 2023	<u>Upon renewal of SJRWMD Consumptive Use Permit, expand reclaimed water system; Using AMI system to identify customers in non-compliance with SJRWMD irrigation policies and provide non-compliant customers with water conservation best practices</u>	<u>No</u> No	<u>None</u> No	<u>WP Water & Wastewater Utility; WP Water & Wastewater Utility, Sustainability Program</u>

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<u>Continue Annually</u> <u>2024</u>	<u>Explore grant opportunities for septic to sewer conversion projects</u> <u>Identify methodology for expressing water use intensity in gallons per capita upon renewal of SJRWMD Consumptive Use Permit</u>	<u>No</u> <u>No</u>	<u>None</u> <u>No</u>	<u>WP Water & Wastewater Utility; PW; Sustainability Division</u> <u>WP Water & Wastewater Utility; Sustainability Program</u>
<u>Continue Annually</u> <u>2025</u>	<u>Using AMI system to identify customers in non-compliance with SJRWMD irrigation policies and provide non-compliant customers with water conservation best practices</u> <u>Explore feasibility of residential energy and water benchmarking and disclosure</u>	<u>Yes</u> <u>No</u>	<u>Initiated</u> <u>No</u>	<u>WP Water & Wastewater Utility; Sustainability Division</u> <u>Program</u> <u>Sustainability Program, WP Electric Utility, WP Water & Wastewater Utility; Economic Development</u>
<u>Continue Annually</u> <u>2025</u>	<u>Promote existing water conservation educational opportunities such as audits and rebates including Schools</u> <u>Upon renewal of SJRWMD Consumptive Use Permit, review water utility rate structure to increase water conservation efforts</u>	<u>Yes</u> <u>No</u>	<u>Initiated</u> <u>No</u>	<u>WP Water & Wastewater Utility; Sustainability Division; Communications</u> <u>WP Water & Wastewater Utility</u>
<u>2025</u>	<u>Upon renewal of SJRWMD Consumptive Use Permit, expand reclaimed water system</u>	<u>No</u>	<u>No</u>	<u>WP Water & Wastewater Utility</u>
<u>Continue Annually</u>	<u>Promote existing water conservation opportunities such as audits and rebates</u>	<u>Yes</u>	<u>Yes</u>	<u>WP Water & Wastewater Utility; Sustainability Division; Communications</u>
<u>Continue Annually</u>	<u>Continue Sustainability Education Program in Winter Park Schools that includes energy and water conservation education</u>	<u>Yes</u>	<u>Yes</u>	<u>Sustainability Division</u>

<u>Continue Annually</u>	<u>ReplaceNew Advanced Metering Infrastructure (AMIs) to allow for new, more effective monitoring of water usage, system efficiency, detecting malfunctions and recognizing irregularities</u>	<u>Yes</u>	<u>YesYes</u>	<u>WP Water & Wastewater Utility</u>
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¹Targets will be determined (in per capita) upon the renewal of St. Johns River Water Management District Consumptive Use Permit in 2025

²For 2019: 102.2million gallons/year

ACTIONS

Projected Implementation Year	Action	Action Type	Responsible Department(s)
Continue Annually	Promote existing water conservation opportunities such as audits and rebates	Program	WP Water & Wastewater Utility, Sustainability Program, Communications
Continue Annually	Promote water conservation education to residential and commercial customers through on-line and print campaigns	Program	WP Water & Wastewater Utility, Sustainability Program, Communications, Economic Development
2022	Implement Advanced Metering Infrastructure (AMI) to allow for more effective monitoring of water usage, system efficiency, detecting malfunctions and recognizing irregularities	Project	WP Water & Wastewater Utility
2022	Implement Water/Sewer Impact Fee Deferral Program throughout the city to reduce customer upfront costs for connecting to the sewer system	Policy	WP Water & Wastewater Utility
2022	Explore grant opportunities for septic to sewer conversion projects	Project	WP Water & Wastewater Utility
2022	Increase public awareness of Florida friendly landscaping and landscape irrigation regulations to residential and commercial customers	Program	WP Water & Wastewater Utility, Sustainability Program, Building & Permitting, Communications, Economic Development
2023	Explore the creation of an incentives program for commercial customers that encourages water conservation	Program	Sustainability Program, WP Water & Wastewater Utility, Economic Development
2023	Using AMI system to identify customers in non-compliance with SJRWMD irrigation policies and provide non-compliant customers with water conservation best practices	Program	WP Water & Wastewater Utility, Sustainability Program

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2024	Identify methodology for expressing water use intensity in gallons per capita upon renewal of SJRWMD Consumptive Use Permit	Project	WP Water & Wastewater Utility, Sustainability Program
2025	Explore feasibility of residential energy and water benchmarking and disclosure	Project	Sustainability Program, WP Electric Utility, WP Water & Wastewater Utility, Economic Development
2025	Establish commercial building energy and water benchmarking and disclosure policy	Policy	Sustainability Program, WP Electric Utility, WP Water & Wastewater Utility, Economic Development
2025	Upon renewal of SJRWMD Consumptive Use Permit, review water utility rate structure to increase water conservation	Project/Policy	WP Water & Wastewater Utility
2025	Upon renewal of SJRWMD Consumptive Use Permit, expand reclaimed water system	Project	WP Water & Wastewater Utility

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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 Status2021 Target	2025 Target	2035 Target
CEGE-1	Volunteer hours dept wide for Community engagement events – Baseline Year: 2012	12	1303.5	No less than 12	No less than 12
CEGE-2	Green Businesses Recognized per year – Baseline Year: 2012	0	26	No less than 10	25 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 \$3,300/year	Equal or more than \$3,300/year

ActionsCTIONS

Projected Implementation Year	Action	Accomplished	Status	Responsible Department(s)
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<u>2022</u>	<u>Participate in America In Bloom's annual nationwide competition in addition to researching grant opportunities to help aid KWPB&S</u>	<u>No</u>	<u>Initiated</u>	<u>Sustainability Division/ KWPBS Board</u>
<u>Projected Implementation Year</u>	<u>Action</u>	<u>Accomplished</u>	<u>Status</u>	<u>Responsible Department(s)</u>
<u>2023</u>	<u>Create Green Event Guide and Volunteer Program for city events</u>	<u>No</u>	<u>None</u>	<u>Sustainability Division, Parks & Recreation, Communications</u>
<u>Continue Annually</u>	<u>Promote sustainability program initiatives through various social media platforms and traditional print media, at in-person events, and maintain and update Program's website</u>	<u>Yes</u>	<u>Yes</u>	<u>Sustainability Division, Communications</u>
<u>Continue Annually</u>	<u>Administer Green Business Recognition Program and promote Green Business initiatives; Facilitate Green Business networking events</u>	<u>Yes</u>	<u>Yes</u>	<u>Sustainability Division, Communications, Economic Development</u>
<u>Continue Annually</u>	<u>Administer Green School Grant Program and Green Education opportunities for educators</u>	<u>Yes</u>	<u>Yes</u>	<u>Sustainability Division</u>
<u>Continue Annually</u>	<u>Partner with local universities (e.g., University of Central Florida, Rollins College) to provide educational trainings on sustainability-related subjects</u>	<u>Yes</u>	<u>Yes</u>	<u>Sustainability Division</u>
<u>Continue Annually</u>	<u>Ensure all requirements are met for remaining a Keep America Beautiful affiliate</u>	<u>Yes</u>	<u>Yes</u>	<u>Sustainability Division</u>
<u>Continue Annually</u>	<u>Provide volunteer opportunities for litter cleanups of city's lakes and rights-of-way and opportunities for beautification of city parks and greenspaces</u>	<u>Yes</u>	<u>Yes</u>	<u>Sustainability Division, Lakes Division</u>
<u>Continue Annually</u>	<u>Provide education on Sustainability Division Program at Neighboring Community Events</u>	<u>Yes</u>	<u>Yes</u>	<u>Sustainability Division</u>

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Continue Annually	Create and implement environmental education opportunities at parks and city buildings (e.g., Mead Gardens, Howell Branch Creek, Dinky Dock and Fort Maitland)	Yes	Yes	Sustainability Division, Parks & Recreation, Communications
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ACTIONS

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PROJECTED IMPLEMENTATION YEAR	ACTION	ACTION TYPE	RESPONSIBLE DEPARTMENT(S)
CONTINUE ANNUALLY	PROMOTE SUSTAINABILITY PROGRAM INITIATIVES THROUGH VARIOUS SOCIAL MEDIA PLATFORMS AND TRADITIONAL PRINT MEDIA, AT IN-PERSON EVENTS, AND MAINTAIN AND UPDATE SUSTAINABILITY PROGRAM'S WEBSITE	PROJECT	SUSTAINABILITY PROGRAM, COMMUNICATIONS
CONTINUE ANNUALLY	ADMINISTER GREEN BUSINESS RECOGNITION PROGRAM AND PROMOTE GREEN BUSINESS INITIATIVES	PROGRAM	SUSTAINABILITY PROGRAM, COMMUNICATIONS, ECONOMIC DEVELOPMENT
CONTINUE ANNUALLY	ADMINISTER GREEN SCHOOL GRANT PROGRAM AND GREEN EDUCATION OPPORTUNITIES FOR EDUCATORS	PROGRAM	SUSTAINABILITY PROGRAM
CONTINUE ANNUALLY	PARTNER WITH LOCAL UNIVERSITIES (E.G., UNIVERSITY OF CENTRAL FLORIDA, ROLLINS COLLEGE) TO PROVIDE EDUCATIONAL TRAININGS ON SUSTAINABILITY-RELATED SUBJECTS	PROJECT	SUSTAINABILITY PROGRAM

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CONTINUE ANNUALLY	ENSURE ALL REQUIREMENTS ARE MET FOR REMAINING A KEEP AMERICA BEAUTIFUL AFFILIATE	PROGRAM	SUSTAINABILITY PROGRAM
CONTINUE ANNUALLY	PROVIDE VOLUNTEER OPPORTUNITIES FOR LITTER CLEANUPS OF CITY'S LAKES AND RIGHTS-OF-WAY	PROJECT	SUSTAINABILITY PROGRAM, LAKES DIVISION
CONTINUE ANNUALLY	PROVIDE VOLUNTEER OPPORTUNITIES FOR BEAUTIFICATION OF CITY PARKS AND GREENSPACES	PROJECT	SUSTAINABILITY PROGRAM, PARKS & RECREATION
CONTINUE ANNUALLY	PROVIDE EDUCATION ON SUSTAINABILITY PROGRAM AT NEIGHBORING COMMUNITY EVENTS	PROJECT	SUSTAINABILITY PROGRAM
2022	DETERMINE THE FEASIBILITY OF PARTICIPATING IN AMERICA IN BLOOM'S ANNUAL NATIONWIDE COMPETITION	PROJECT	SUSTAINABILITY PROGRAM
2022	CREATE AND INSTALL ENVIRONMENTAL EDUCATION OPPORTUNITIES AT PARKS AND CITY BUILDINGS (E.G., HOWELL BRANCH CREEK)	PROJECT	
2022	FACILITATE GREEN BUSINESS NETWORKING EVENTS	PROJECT	SUSTAINABILITY PROGRAM, ECONOMIC DEVELOPMENT

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2023	CREATE GREEN EVENT GUIDE AND VOLUNTEER PROGRAM FOR CITY EVENTS	PROJEC T	SUSTAINABILITY PROGRAM, PARKS & RECREATION, COMMUNICATIO NS
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<u>PROJECTED IMPLEMENTATION YEAR</u>	<u>ACTION</u>	<u>ACCOMPLISHED</u>	<u>ONGOING</u>	<u>RESPONSIBLE DEPARTMENT(S)</u>
<u>CONTINUE ANNUALLY</u>	<u>PROMOTE SUSTAINABILITY PROGRAM INITIATIVES THROUGH VARIOUS SOCIAL MEDIA PLATFORMS AND TRADITIONAL PRINT MEDIA, AT IN-PERSON EVENTS, AND MAINTAIN AND UPDATE SUSTAINABILITY PROGRAM'S WEBSITE</u>	<u>YES</u>	<u>YES</u>	<u>SUSTAINABILITY DIVISION, COMMUNICATIONS</u>
<u>CONTINUE ANNUALLY</u>	<u>ADMINISTER GREEN BUSINESS RECOGNITION PROGRAM AND PROMOTE GREEN BUSINESS INITIATIVES</u>	<u>YES</u>	<u>YES</u>	<u>SUSTAINABILITY DIVISION, COMMUNICATIONS, ECONOMIC DEVELOPMENT</u>
<u>CONTINUE ANNUALLY</u>	<u>ADMINISTER GREEN SCHOOL GRANT PROGRAM AND GREEN EDUCATION OPPORTUNITIES FOR EDUCATORS</u>	<u>YES</u>	<u>YES</u>	<u>SUSTAINABILITY DIVISION</u>
<u>CONTINUE ANNUALLY</u>	<u>PARTNER WITH LOCAL UNIVERSITIES (E.G., UNIVERSITY OF CENTRAL FLORIDA, ROLLINS COLLEGE) TO PROVIDE EDUCATIONAL TRAININGS ON SUSTAINABILITY- RELATED SUBJECTS</u>	<u>YES</u>	<u>YES</u>	<u>SUSTAINABILITY DIVISION</u>
<u>CONTINUE ANNUALLY</u>	<u>ENSURE ALL REQUIREMENTS ARE MET FOR REMAINING A KEEP AMERICA BEAUTIFUL AFFILIATE</u>	<u>YES</u>	<u>YES</u>	<u>SUSTAINABILITY DIVISION</u>

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<u>CONTINUE ANNUALLY</u>	<u>PROVIDE VOLUNTEER OPPORTUNITIES FOR LITTER CLEANUPS OF CITY'S LAKES AND RIGHTS-OF-WAY</u>	<u>YES</u>	<u>YES</u>	<u>SUSTAINABILITY DIVISION, LAKES DIVISION</u>
<u>CONTINUE ANNUALLY</u>	<u>PROVIDE VOLUNTEER OPPORTUNITIES FOR BEAUTIFICATION OF CITY PARKS AND GREENSPACES</u>	<u>YES</u>	<u>YES</u>	<u>SUSTAINABILITY DIVISION, PARKS & RECREATION</u>
<u>CONTINUE ANNUALLY</u>	<u>PROVIDE EDUCATION ON SUSTAINABILITY PROGRAM AT NEIGHBORING COMMUNITY EVENTS</u>	<u>YES</u>	<u>YES</u>	<u>SUSTAINABILITY DIVISION</u>
<u>CONTINUALLY ANNUALLY</u>	<u>CREATE AND INSTALL ENVIRONMENTAL EDUCATION OPPORTUNITIES AT PARKS AND CITY BUILDINGS (E.G., MEAD GARDENS, HOWELL BRANCH CREEK, DINKY DOCK AND FORT MAITLAND)</u>	<u>NO</u>	<u>YES</u>	<u>SUSTAINABILITY DIVISION, PARKS & RECREATION</u> <u>COMMUNICATIONS</u>
<u>2022</u>	<u>DETERMINE THE FEASIBILITY OF PARTICIPATING IN AMERICA IN BLOOM'S ANNUAL NATIONWIDE COMPETITION IN ADDITION TO RESEARCHING GRANT OPPORTUNITIES TO HELP AID KWPB PROGRAMMING</u>	<u>NO</u>	<u>YES</u>	<u>SUSTAINABILITY DIVISION, KWPBS BOARD</u>
<u>2022</u>	<u>FACILITATE GREEN BUSINESS NETWORKING EVENTS</u>	<u>NO</u>	<u>YES</u>	<u>SUSTAINABILITY DIVISION, ECONOMIC DEVELOPMENT</u>

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<u>2023</u>	<u>CREATE GREEN EVENT GUIDE AND VOLUNTEER PROGRAM FOR CITY EVENTS</u>	<u>NO</u>	<u>YES</u>	<u>SUSTAINABILITY DIVISION, PARKS & RECREATION COMMUNICATIONS</u>
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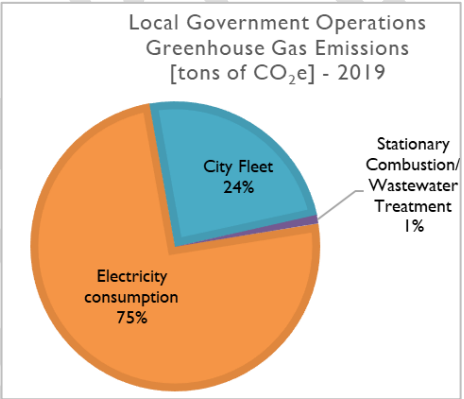
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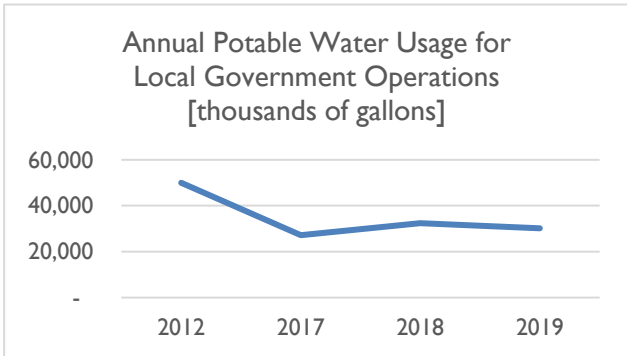
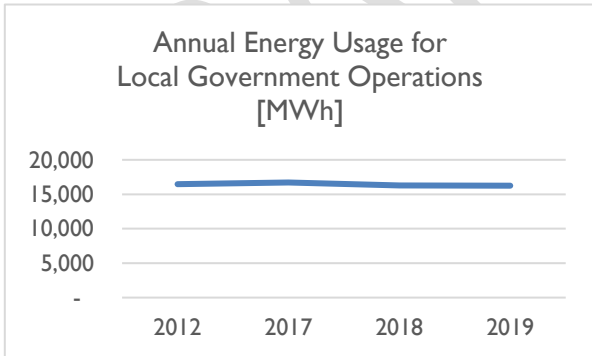
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Local Government Operations

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 environments 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.

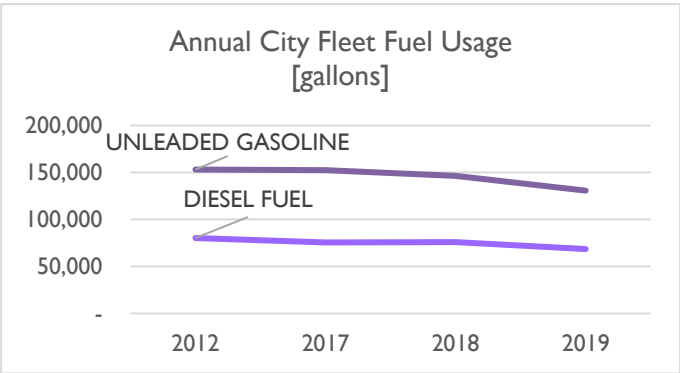


The city's Local Government Operations GHG Emissions Inventory consists of all major direct emissions from the burning of fossil fuels by the City's fleet and indirect GHG emissions associated with the electricity consumption for local government operations. City Fleet-related (24%) and electricity consumption-related (75%) activities contribute the largest proportion of greenhouse gases emissions in government operations. Energy usage has remained generally stable since the baseline year of 2012. Energy audits of city facilities would allow for the city to identify and select projects that will provide the greatest energy reduction at the best return on investment. Recent



~~potable water usage has declined from the baseline.~~ 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 lower-quality~~ water for park irrigation are planned.

City fleet gasoline and diesel consumption has remained generally stable since the baseline year. Establishing a policy that creates a vehicle replacement and purchase tiered structure that prioritizes zero tail pipe emissions, ~~and~~ 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 as well as available for public use.

OBJECTIVES

- 1. Increase the city’s municipal facilities resiliency 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

INDICATORS

	Indicator DescriptionIndicator Description	Baseline2012Baseline	2021Status2021	2025Target2025Target	2035Target2035Target
LGO-1	Local Government Operations greenhouse gas emissions [Tons of carbon dioxide equivalent]	11,315	8,734.51	40% less than baseline year	80% less than baseline year
LGO-2	Energy usage for Local Government Operations [MWh/yr]	16,471	16,442.87	5% less	15% less
LGO-3	Installed renewable energy capacity [MWkW] ¹	0	266kW + Library	TBD	TBD
LGO-4	City-owned and city-operated facilities audited	3	3	50%	100%
LGO-5	Potable water usage [million gallons] ²	49.5		50% less	TBD
LGO-6	City Fleet fuel usage [gallons of unleaded gasoline] ³	143,268	126,747	Downward trend	TBD
LGO-7	City Fleet fuel usage [gallons of diesel fuel] ³	80,23583,142	64,929	Downward trend	TBD

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LGO-8	Number of city-owned Electric Vehicles ⁴	0	<u>8</u>	Increase	Increase
LGO-9	Number of Electric Vehicle charging Stations available for city business use [ports] ⁴	1	<u>10</u>	Increase	Increase

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

²Target will be determined upon ~~the~~ renewal of St. Johns River Water Management District Consumptive Use Permit in 2025

³³~~Target will be determined after pathway to reach 100% Renewable Energy Goals proposal is received~~

⁴By the end of 2020, the city had 6 electric vehicles (2% of total fleet) and 7 EV Charging Ports for Fleet Use

ACTIONS

<u>Projected Implementation Year</u> <u>Projected Implementation Year</u>	<u>Action</u> <u>Action</u>	<u>Accomplished Action Type</u>	<u>Status</u>	<u>Responsible Department(s)</u> <u>Responsible Department(s)</u>
Continue Annually	Use data and analytics to improve city services and broaden public access <u>onto</u> information about city performance	Program		IT, All City Departments
Continue Annually	Monitor city buildings' energy and water usage through ENERGY STAR Portfolio Manager	Program		Sustainability Program
Continue Annually	Conduct Local Government Operations Greenhouse Gas Emissions Inventory	Project		Sustainability Program
Continue Annually	Shift from potable water to lower-quality water resources (e.g., well or lake water) for parks irrigation while prioritizing water conservation and continuing use of reclaimed water at existing sites	Policy		Parks & Recreation, WP Water & Wastewater Utility Utilities
Continue Annually	Ensure that all new, significantly renovated, occupied, city-owned and city-operated buildings will be designed and built to incorporate measures that would allow them to be FGBC certified or certified at a minimum of <u>LEED</u> "Silver Certification" level or a comparable performance criterion	Policy		Public Works, Sustainability Program
Continue Annually	Shift from fossil-fuel powered landscaping equipment to electric powered equipment as equipment is being replaced <u>with exception to leaf blowers with a due date of 2024</u>	Policy		Parks & Recreation

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Continue Annually	Continue to partner with FDOT's reThink Your Commute program to encourage employees' use of SunRail, Lynx, vanpools and bike and walking to work	Program		Human Resources, Sustainability Program
2022	Solicit proposals for energy conservation audits for all city facilities	NoProject	Initiated	Public Works, Procurement, Sustainability DivisionProgram, WP Electric Utility
2022	Conduct Renewable Energy Feasibility Study – 5.25.22 commission approved to move forward	No	Initiated	Public Works, Sustainability DivisionProgram, Procurement, WP Electric Utility
2022	Work with OMB annually to identify sustainability-related project needs and budget for city departments for Capital Improve Plan	Project	Office of Management & Budget, Sustainability Program, All City Departments	
20232	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	NoPolicy	No	Fleet, Sustainability DivisionProgram
2023	Pilot food waste collection program at a city facility (City Hall or Center Street)	No	No	Sustainability DivisionProgram
20242	Develop educational programs workshop for city employees that cover best practices for workplace energy & water conservation, sustainable transportation modes and waste management; include fun incentives like Sustainability Olympics/Challenges	NoProgram	No	Sustainability DivisionProgram, Human Resources
202220243	Revisit Reestablish Single Use Product Policy Pilot Program (exp. May 11, 2022) to evaluate program outcomes and possibility of expanding and extending the program	PolicyNo	No	Sustainability DivisionProgram, City Administration, Parks & Recreation
2022	Review Best Workplaces for Commuters criteria and apply for designation	Project	City Administration, Human Resources, Sustainability Program	

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2023	Explore establishing a Revolving Energy Efficiency Loan Fund for city-owned buildings and infrastructure.	Program	Finance, Public Works, Sustainability Program	
20223	<u>Conduct Renewable Energy Feasibility Study — 5.25.22</u> <u>commission approved to move forward.</u> <u>Solicit proposals for solar feasibility study for all city facilities</u>	Project	Public Works, Sustainability Program, Procurement, WP Electric Utility	
20243	Research energy and water management software capable of identifying low-efficiency city facilities and early detection of usage anomalies	<u>No</u> Project	<u>No</u>	Sustainability DivisionProgram, Public Works
2023	<u>Update Personnel Policy Manual to reduce idling time by city fleet users and create educational campaign to inform city employees.</u>	Policy/Program	Fleet, Sustainability Program	
2023	<u>Identify funding opportunities and training provider for racial equity training for all elected officials and department heads</u>	Program	City Administration, Sustainability Program	
2023	<u>Pilot food scrap collection program at City Hall</u>	Project	Sustainability Program	
2024	Explore opportunities to install dishwashing machines and water bottle filling stations at city facilities to facilitate the reuse of dishware for city-business meetings and gatherings	Program <u>No</u>	<u>No</u>	Public Works, Sustainability DivisionProgram
2024	<u>Utilize racial equity lens to assess city policies, initiatives, programs, and budget issues</u>	Program	All City Departments	
2024	<u>Explore ways to quantify waste generated from city offices</u>	<u>No</u>	<u>No</u>	Sustainability DivisionProgram
<u>Projected Implementation Year</u>	<u>Action</u>	<u>Accomplished</u>	<u>Status</u>	<u>Responsible Department(s)</u>
2024	Design and implement a <u>sustainabsustainability</u> <u>le</u> procurement policy that is fiscally responsible, <u>promotes work health</u> , conserves natural resources, <u>prevents pollution</u> , <u>and aligns with the city's sustainability goals</u>	Program <u>No</u>	<u>No</u>	Procurement, Sustainability DivisionProgram
2024	<u>Explore ways to quantify waste generated from city offices</u>	Project	Sustainability Program	
2025	Upon renewal of SJRWMD Consumptive Use Permit, assess	Project/Policy <u>N</u> <u>o</u>	<u>No</u>	WP Water & Wastewater Utility

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	and identify opportunities for water conservation measures for all city facilities			
<u>2025</u>	<u>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</u>	<u>No</u>	<u>No</u>	<u>Public Works, Sustainability DivisionProgram</u>
<u>Continue Annually</u>	<u>Use data and analytics to improve city services and broaden public access on information about city performance</u>	<u>Yes</u>	<u>Ongoing</u>	<u>IT, All City Departments</u>
<u>Continue Annually</u>	<u>Utilize racial equity lens to assess city policies, initiatives, programs, and budget issues</u>	<u>Yes</u>	<u>Ongoing</u>	<u>All City Departments</u>
<u>Continue Annually</u>	<u>Work with OMB annually to identify sustainability-related project needs and budget with city departments on Capital Improvement Plan</u>	<u>Yes</u>	<u>Ongoing</u>	<u>Office of Management & Budget, Sustainability DivisionProgram, All City Departments</u>
<u>Continue Annually</u>	<u>Monitor city buildings’ energy and water usage through ENERGY STAR Portfolio Manager</u>	<u>Yes</u>	<u>Ongoing</u>	<u>Sustainability DivisionProgram</u>
<u>Continue Annually</u>	<u>Conduct Local Government Operations Greenhouse Gas Emissions Inventory</u>	<u>Yes</u>	<u>Ongoing</u>	<u>Sustainability DivisionProgram</u>
<u>Continue Annually</u>	<u>Shift from fossil-fuel to electric powered landscaping equipment upon replacement; exception to leaf blowers with due date of 2024</u>	<u>Yes</u>	<u>Ongoing</u>	<u>Parks & Recreation</u>
<u>Continue Annually</u>	<u>Continue to partner with FDOT’s reThink Your Commute program to encourage employees’ use of SunRail, Lynx, vanpools, bikes, and walking to work</u>	<u>Yes</u>	<u>Ongoing</u>	<u>Human Resources, Sustainability DivisionProgram</u>

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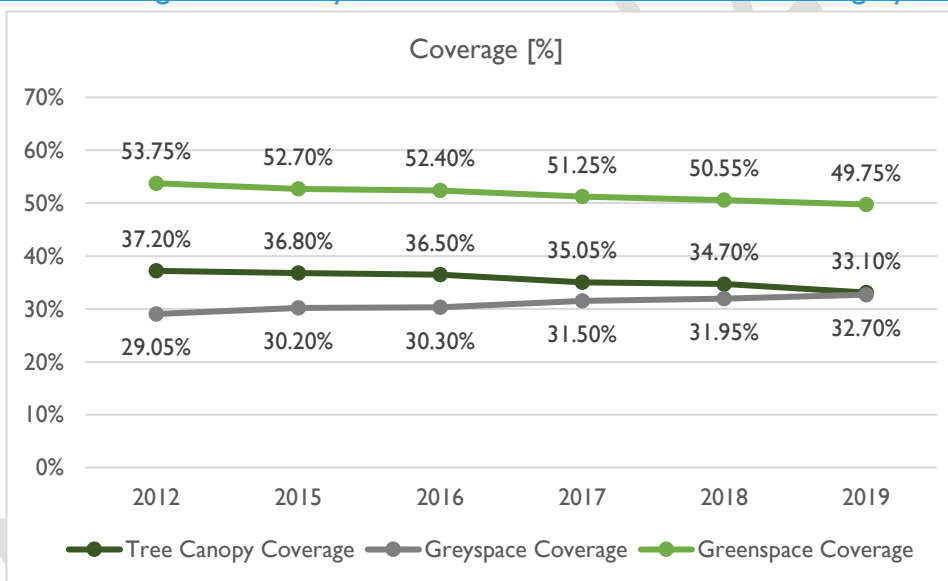
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Natural Resources

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 2019.

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 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 encourages walking to mitigate localized air pollution and the greenspace provides habitat for wildlife species.

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.

OBJECTIVES

- 1. Maintain and expand an equitable urban tree canopy
- 2. Increase overall greenspace; parks and conservation space
- 3. Maintain # of lakes meeting good water quality standard
- 4. Increase residents’ and businesses’ knowledge of best practices for urban tree canopy maintenance
- 5. Increase residential awareness on pollution prevention of natural water resources, including impacts of stormwater runoff and over-fertilizing for Winter Park Lakes
- 6. Increase street trees within the city’s rights of way
- 7. Create Comprehensive Plan with Mead Botanical Gardens for reforestation and invasive species management.

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INDICATORS

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

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¹Includes Community Parks, Mini Parks, Neighborhood Parks, Open space/conservation, Special Purpose Parks which equaled 98% in 2020

²Lakes Baldwin, Berry, Killarney, Maitland, Mizell, Osceola, Sue and Virginia

ACTIONS

Projected Implementation Year	Action	Accomplished	Status	Responsible Department(s)
2022	Adopt Artificial Turf Ordinance	No	Initiated	Natural Resources & Sustainability Dept., Public Works

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<u>Projected Implementation Year</u>	<u>Action</u>	<u>Accomplished</u>	<u>Status</u>	<u>Responsible Department(s)</u>
<u>2023</u>	<u>Explore opportunities to incentive property owners and developers to preserve existing trees on private property</u>	<u>No</u>	<u>No</u>	<u>Building & Permitting, Urban Forestry, Sustainability Division</u> <u>Program</u>
<u>2023</u>	<u>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</u>	<u>No</u>	<u>No</u>	<u>Urban Forestry</u>
<u>2023</u>	<u>Develop a checklist of trees for residents to reference</u>	<u>No</u>	<u>No</u>	<u>Urban Forestry</u>
<u>2023</u>	<u>Implement Lake Vegetation Index Bio Assessments to benchmark and track the health of WP's Shorelines</u>	<u>No</u>	<u>No</u>	<u>Lakes Division</u>
<u>2023</u> <u>Division</u>	<u>Research establishing an Energy-Savings Tree Giveaway Program that delivers a diverse variety of canopy and understory trees to residents</u>	<u>No</u>	<u>No</u>	<u>Urban Forestry, Sustainability Division</u>
<u>2023</u>	<u>Periodic Review for Natural Resources Protection. Increase policy to save more trees within building code – land development code</u>	<u>No</u>	<u>No</u>	<u>Urban Forestry, Natural Resources and Sustainability Dept., Building & Permitting</u>
<u>2023</u>	<u>Explore implementation of Tree Equity Score indexing</u>	<u>No</u>	<u>No</u>	<u>Urban Forestry & Sustainability Division</u>
<u>2023</u>	<u>Water quality data readily accessible for all WP citizens to utilize</u>	<u>No</u>	<u>Initiated</u>	<u>Communications, WP Electric Utility</u>
<u>2023</u>	<u>GIS Modeling to predict tree canopy</u>	<u>No</u>	<u>No</u>	<u>GIS & Urban Forestry</u>

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<u>Projected Implementation Year</u>	<u>Action</u>	<u>Accomplished</u>	<u>Status</u>	<u>Responsible Department(s)</u>
<u>2023</u>	<u>Establish Lakes Newsletter to inform citizens on the importance of lake side living</u>	<u>No</u>	<u>No</u>	<u>Lakes Division</u>
<u>2023</u>	<u>Establish a lakes side living checklist for use when hiring lawn care/maintenance to prevent excess fertilizers and grass clippings from entering our waterways</u>	<u>No</u>	<u>No</u>	<u>Lakes Division</u>
<u>2024</u>	<u>Enhance tree canopy coverage via the urban forest management plan and update every 5 years</u>	<u>No</u>	<u>No</u>	<u>Urban Forestry</u>
<u>Continue Annually</u>	<u>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</u>	<u>Yes</u>	<u>Ongoing</u>	<u>Lakes Division, Sustainability Division, Communications</u>
<u>Continue Annually</u>	<u>Incorporate opportunities to build a green infrastructure (bio-swales, rain gardens, green roofs, etc.) demonstration project within the city limits</u>	<u>Yes</u>	<u>Yes</u>	<u>Sustainability Division, Parks & Recreation, Planning & Transportation Stormwater Division</u>
<u>Continue Annually</u>	<u>Explore Funding to support green infrastructure and tree canopy development</u>	<u>Yes</u>	<u>Yes</u>	<u>Urban Forestry, Natural Resources & Sustainability Dept.</u>
<u>Continue Annually</u>	<u>Increase beneficial native aquatic plant shorelines for all Winter Park Lakes</u>	<u>Yes</u>	<u>Ongoing</u>	<u>Lakes Division</u>
<u>Continue Annually</u>	<u>Administer integrated aquatic plant management program</u>	<u>Yes</u>	<u>Ongoing</u>	<u>Lakes Division</u>

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<u>Projected Implementation Year</u>	<u>Action</u>	<u>Accomplished</u>	<u>Status</u>	<u>Responsible Department(s)</u>
<u>Continue Annually</u>	<u>Administer city's tree management program</u>	<u>Yes</u>	<u>Ongoing</u>	<u>Urban Forestry</u>
<u>Continue Annually</u>	<u>Consider the usefulness and availability of state and federal grant programs for the acquisition of lands for conservation areas or passive recreation</u>	<u>Yes</u>	<u>Ongoing</u>	<u>City Administration, Parks & Recreation, Planning & Transportation</u>
<u>Continue Annually</u>	<u>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</u>	<u>Yes</u>	<u>Ongoing</u>	<u>Urban Forestry, Sustainability Division, Building & Permitting, Communications</u>
<u>Continue Annually</u>	<u>Increase Watershed Clean Ups, Tree Plantings, and Shore Restoration Events</u>	<u>Yes</u>	<u>Ongoing</u>	<u>Natural Resources & Sustainability Dept., Urban Forestry</u>

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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

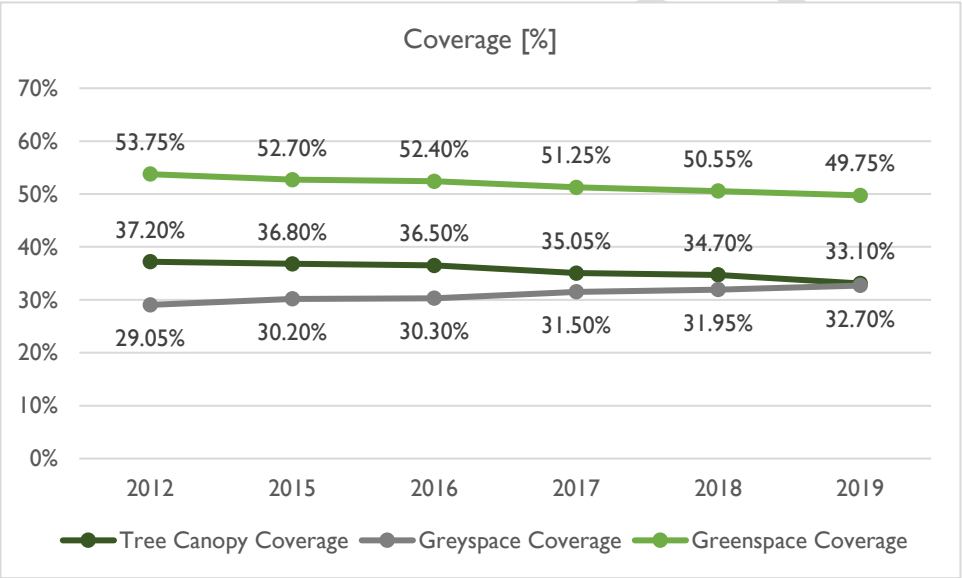
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its lush tree canopy and pristine lakes. Both of these features provide a multitude of benefits including improved air quality, wildlife habitat, cooler temperatures through reduced urban heat island effect, beautification and increased property values. 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 2019.

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, rather than from extreme weather events. 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 2021, the city's Lakes Division will begin tracking the percentage of 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.

OBJECTIVES

- 1. Maintain and expand an equitable urban tree canopy
 - Increase overall greenspace
- 2. Reduce grey space (including paved parking lot, street, sidewalk, rooftop, impermeable)
- 2. Maintain percentage of residents living within a half mile from park spaceIncrease parks and conservation space (include footnote)
- 2. Maintain percentage # of lakes meeting good water quality standard
 - Increase residents’ and businesses’ knowledge of best practices for urban tree canopy maintenance
 - and expansionIncrease residential awareness on and pollution prevention of natural water resources, including impacts of stormwater runoff and over fertilizing for Winter Park Lakes
- 3. Increase street trees within the city’s rights of way

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INDICATORS

	Indicator Description	Baseline	2021 Target	2025 Target	2035 Target
NR-1	Tree Canopy Coverage—Baseline Year: 2019	33.10%		Maintain	5% more
NR-2	Greenspace Coverage—Baseline Year: 2019	49.75%		Maintain	5% more
NR-3	Greyspace Coverage—Baseline Year: 2019	32.70%		Maintain	5% less
NR-4	Residents living within ½ mile from park space ¹ —Baseline Year: 2012	95%	TBD	TBD	
	# of Trees Removed		+20		
	# of Trees Planted		+50		
NR-5	Percentage of City of Winter Park’s Main Lakes ² meeting Good Water Quality Standard [Average Annual Trophic State Index (TSI) below 60]—Baseline Year: 2012	100%		Maintain	Maintain

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¹Includes Community Parks, Mini Parks, Neighborhood Parks, Open space/conservation, Special Purpose Parks which equaled 98% in 2020; Parks & Recreation Advisory Board will be reviewing criteria to define this metric in upcoming meetings

²Lakes Baldwin, Berry, Killarney, Maitland, Mizell, Osceola, Sue and Virginia

ACTIONS

Projected Implementation Year	Action	Action Type	Responsible Department(s)
Continue Annually	Administer city’s tree management program	Program	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	Policy	City Administration, Parks & Recreation, Planning & Transportation
Continue Annually	Administer <u>integrated aquatic plant management program</u>	Program	Lakes Division
<u>Continued Annually 2022</u>	Provide Tree Canopy Conservation education (e.g., environmental/health benefits, cost savings, aesthetics) to residents, building professionals, realtors and businesses through on-line, <u>social media</u> , and print campaigns and in-person workshops	Program	Urban Forestry, Sustainability Program, Building & Permitting, Communications
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 and print campaigns	Program	Lakes Division, Sustainability Program, Communications
2023	Research establishing an Energy Savings Tree Giveaway Program that delivers a diverse variety of canopy and understory trees to residents	Program	Urban Forestry, Sustainability Program
2023	Explore opportunities to incentive property owners and developers to preserve existing trees on private property	Project	Building & Permitting, Urban Forestry, Sustainability Program
2023	Conduct <u>tree equity score</u> 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	Project	Urban Forestry
2023 ⁴	<u>Enhance</u> Develop long tree canopy coverage via the urban forest management plan and update every 5 years term reforestation	Policy	Urban Forestry

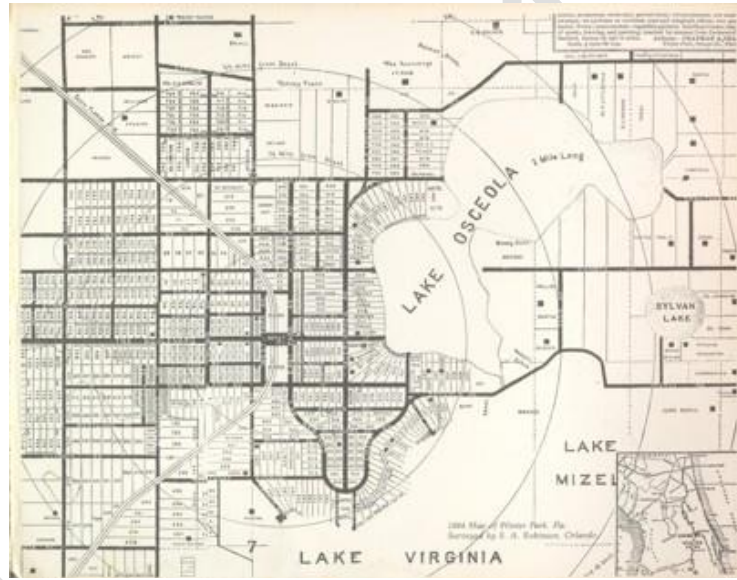
	plan to increase tree canopy coverage		
2023	Explore funding opportunities to build a green infrastructure (bio-swales, rain gardens, green roofs, etc.) demonstration project within the city limits	Project	Sustainability Program, Stormwater Division
	<u>Periodic Review for Natural Resources Protection. Increase policy to save more trees within building code—land development code</u>		
<u>2023</u>	<u>Explore implementation of Tree Equity Score indexing</u>		
<u>2023</u>	<u>GIS Modeling to predict tree canopy</u>		

Transportation and Urban Form

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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 ~~(52%)~~ contributor (52%) to the city's community-wide GHG emissions. Climate Resiliency emphasizes the need for people to choose more sustainable transportation options. ~~The category also emphasizes a more human scaled, compact, mixed-use neighborhood pattern and design that makes it easier for people to choose these more sustainable transportation options.~~



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.

Common design elements of complete streets ~~tend to be human scaled~~ includes continuous, narrow, with 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.

OBJECTIVES

1. Improve pedestrian and bicyclist environments with sustainable and safe transportation infrastructure such as sidewalks, multimodal paths, and transit shelters
2. Encourage more human scaled complete streets in planning and development, ~~compact, mixed-use land-use development and planning~~
3. Create an environment that encourages residents, businesses, and visitors to transition to electric and less carbon-intensive modes of transportation to achieve a
4. 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)

5.4. Increase residents’ and businesses’ knowledge of benefits and importance of sustainable transportation choices

INDICATORS

	Indicator DescriptionIndicator Description	Baseline 2012 Baseline	2021 Status2021	2025 Target2025 Target	2035 Target2035 Target
TUF-1	Sidewalk/Street improvements allowing for pedestrian and bicyclist use [Linear feet] ^{1,2} - Starting year 2022	-		1 mile (cumulative)	3.5 miles (cumulative)
TUF-2	Pedestrian infrastructure improvements (enhanced crossings), benches, water bottle filling stations, sitting shelters [improved site/year] ² - Starting year 2022	-		TBD10	TBD25
TUF-3	Bicyclist infrastructure improvements (enhanced crossings, bike racks, bike storage, bike repair stations) [improved site/year] ² - Starting year 2022	-		TBD15	TBD20
TUF-4	Improved transit stops (benches, transit shelters, waste receptacles, etc.) [improved transit stop/year] ² - Starting year 2022	-		TBD2	TBD4
TUF-5	Public and Private EV Charging Stations [# of Ports] ³	7		Maintain10	Maintain25

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

ACTIONS

Projected Implementation YearProjected Implementation Year	ActionAction	Accomplished	StatusAction Type	ResponsibilityDepartment(s)Responsible Department
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	No	Planning & Transportation, Sustainability Division
2023	Explore feasibility of incentive program for EV Charging Station installation	No	No	Sustainability Division, Building & Permitting, WPP Electric

	in multifamily and commercial properties			Utility, Economic Development
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
Continue Annually	Maintain Electric Vehicle Charging Stations available to the public	Yes	Ongoing	Sustainability Division
Projected Implementation Year Continue Annually	ActionEncourage private developments to increase safety and ease of walking and cycling through site plan review process	Accomplished	StatusPolicy	Responsibility Department(s) Planning & Transportation
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	Publicize-Implement affordable & workforce housing located within a quarter mile from major employers	No	ProgramOngoing	Economic Development, Planning & Transportation
Continue Annually	Maintain Electric Vehicle Charging Stations available to the public	Program	Sustainability DivisionProgram	
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	ProgramOngoing	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	Program	Planning & Transportation, Sustainability DivisionDepartment, Communications	

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<u>Continue Annually</u>	<u>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</u>	<u>Yea</u>	<u>Ongoing</u>	<u>Planning & Transportation, Sustainability Division, Communications</u>
<u>Continue Annually</u>	<u>Work with Sustainability Division to ensure Comprehensive Plan Update incorporates sustainability and resilience related goals, objectives and policies as it relates to transportation</u>	<u>Yes</u>	<u>Ongoing</u>	<u>Planning & Transportation, Sustainability Division</u>
<u>2023</u>	<u>Develop Mobility Plan, considering SunRail, Lynx, safe routes to schools, Complete Streets, and linkages of the City's trails with adjacent counties and municipalities</u>	<u>Policy</u>	<u>Planning & Transportation, Sustainability Division</u>	
<u>2023</u>	<u>Explore feasibility of incentive program for EV Charging Station installation in multifamily residential and commercial properties</u>	<u>Policy</u>	<u>Sustainability Division, Building & Permitting, WP Electric Utility, Economic Development</u>	
<u>2023</u>	<u>Develop EV infrastructure needs assessment and master plan</u>	<u>Project</u>	<u>Sustainability Division, WP Electric Utility, Planning & Transportation</u>	
<u>2023</u>	<u>Explore opportunities to pilot an autonomous electric shuttle (Smart Bus)</u>	<u>Project</u>	<u>City Administration, Economic Development, Planning & Transportation, Sustainability Division</u>	
<u>2023</u>	<u>Improve bike storage at SunRail Station (e.g., bike shelter)</u>	<u>Project</u>	<u>Planning & Transportation</u>	
<u>2023</u>	<u>Work with Sustainability Division to ensure Comprehensive Plan Update incorporates sustainability and resilience related goals, objectives and policies as it relates to transportation</u>	<u>Project</u>	<u>Planning & Transportation, Sustainability Division</u>	
<u>2023</u>	<u>Work with regional transit agencies to expand Lynx and SunRail service in the city</u>		<u>Project</u>	<u>Economic Development, Planning & Transportation, Sustainability Division</u>

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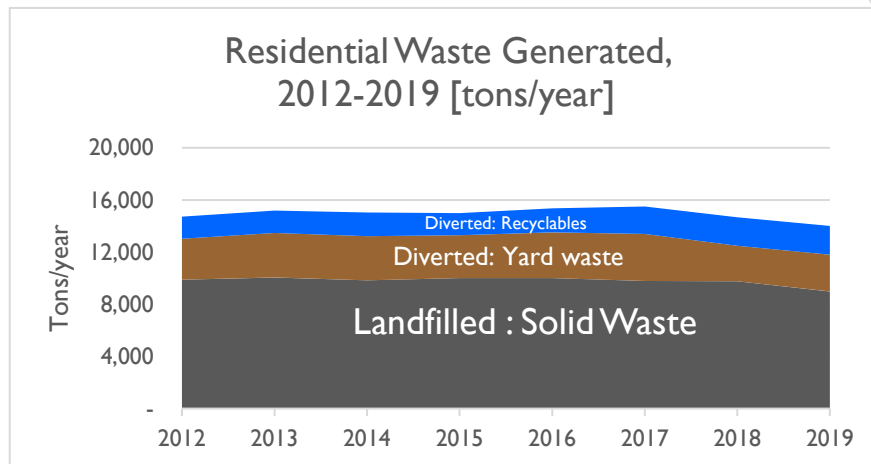
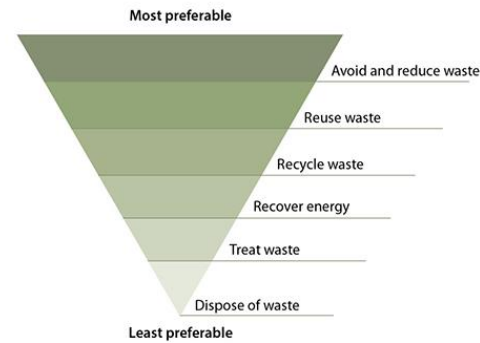
2024	Research and implement a Complete Streets Project Design Checklist		Policy	Planning & Transportation
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~~Emerald Plan—connectivity for trails. Ways to improve. Peace by peace—
improve parking linkage (aspirational) part of the mobility plan~~

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Waste Management

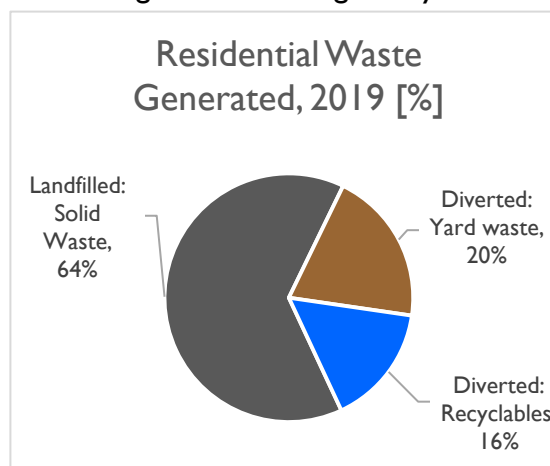
The Waste Management category is focused on reducing the amount of waste generated, encouraging the reuse and repair of products, and diverting waste from the landfill. The EPA developed the non-hazardous materials and [waste management hierarchy](#) in recognition that no single waste management approach 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. In recent years, the city has had very few rejected loads. 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



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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.

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

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

<u>Projected Year</u>	<u>Action</u>	<u>Accomplished</u>	<u>Status Action Type</u>	<u>Responsible Department(s)</u>
<u>2022</u>	<u>Provide composting education and backyard composters to residents</u>	<u>No</u>	<u>Initiated</u>	<u>Sustainability Division</u>
<u>2022</u>	<u>Analyze implementation of a Food Waste Diversion Program for Center Street and Farmer's Market</u>	<u>No</u>	<u>No</u>	<u>Sustainability Division</u>
<u>2023</u>	<u>Maintain the list of the city's Registered Haulers</u>	<u>No</u>	<u>No</u>	<u>Sustainability Division</u>
<u>2023</u>	<u>Assist multi-family and commercial buildings with creating recycling education and outreach plans</u>	<u>No</u>	<u>No</u>	<u>Sustainability Division, Economic Development</u>
<u>2023</u>	<u>Consider food scrap collection and Pay As You Throw options in Scope of Work description for Solid Waste Services Solicitation</u>	<u>No</u>	<u>No</u>	<u>City Administration, Sustainability Division</u>

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2023 Continue Annually	Increase recycling opportunities at city-owned public facilities and parks Provide in-person, online and print education on waste management hierarchy (reduce, reuse, recycle)	No	No Program	Parks and Recreation, Sustainability Division Sustainability Division
Projected Implementation Year	Action	Accomplished	Status	Responsible Department(s)
Continue Annually	Host "Fix It, Don't Pitch It" regional community repair event	Yes	Ongoing	Sustainability Division
Continue Annually	Hold Annual Household Hazardous Waste (HHW) and Electronics Waste Collection Event	Program	Sustainability Division Program	
Continue Annually	Publicize Regional Partners' Waste Diversion Programs (HHW & E-Waste Collection Events, Food Scrap Collection, etc.) and Drop-Off Facilities	Project	Sustainability Division Program	
Continue Annually	Provide composting education and backyard composters to residents	Program	Sustainability Division Program	
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	Program	Sustainability Division Program	
Continue Annually 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 Maintain the list of the city's Registered Haulers	Yes	Ongoing Policy	Sustainability Division Sustainability Division Program
Continue Annually Continue Annually	Provide in-person, online and print education on waste management hierarchy (reduce, reuse, recycle) Assist multi-family and commercial buildings with creating recycling education and outreach plans	Yes	Ongoing Program	Sustainability Division Sustainability Division Program, Economic Development

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Continue Annually	Participate in <u>Florida Food Waste Prevention Week</u>	Yes	Project Ongoing	Sustainability DivisionProgram
<u>Continue Annually</u> 2022	<u>Hold Annual Household Hazardous Waste (HHW) and Electronics Waste Collection Event</u> <u>Consider Waste Contractors' ability to provide single-stream recycling for residential and multifamily households, food scrap collection, and Pay As You Throw options in Scope of Work description for Solid Waste Hauler Franchise Solicitation</u>	Yes	Ongoing Project	Sustainability DivisionCity Administration, Sustainability DivisionProgram
<u>Continue Annually</u> 2022	<u>Increase availability of water bottle filling stations at city-owned public facilities and parks</u> <u>Explore feasibility of monthly residential food scraps collection at Farmers' Market</u>	Yes	Ongoing Project	<u>Parks and Recreation, Sustainability Division</u> <u>Parks and Recreation, Sustainability Division</u> Program
2022	Increase recycling opportunities at city-owned public facilities and parks	Program	Parks and Recreation, Sustainability DivisionProgram	
2022	Relaunch "Fix It, Don't Pitch It" regional community repair event	Project	Sustainability DivisionProgram	
2023	Increase availability of water bottle filling stations at city-owned public facilities and parks	Project	Parks and Recreation, Sustainability DivisionProgram	
2023	Develop and launch educational promotion campaign to encourage <u>food recovery</u>	Project	Sustainability DivisionProgram, Communications	

Glossary

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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.

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Keep Winter Park
Beautiful &
Sustainable
Advisory Board

agenda item

item type	Action Items	meeting date	August 16, 2022
prepared by	Victoria Tabor	approved by	
board approval			
strategic objective			

subject

OCPS 9th Annual Green Schools Banquet – October 20th at Camping World Stadium

item list

OCPS – Jenny Jaegal

motion / recommendation

background

alternatives / other considerations

fiscal impact



Keep Winter Park
Beautiful &
Sustainable
Advisory Board

agenda item

item type Action Items	meeting date August 16, 2022
prepared by Victoria Tabor	approved by
board approval	
strategic objective	

subject

Sponsorships start at \$1,000 dollars, does KWPB&S want to be a sponsor

motion / recommendation

background

alternatives / other considerations

fiscal impact



Keep Winter Park
Beautiful &
Sustainable
Advisory Board

agenda item

item type Non-Action Items	meeting date August 16, 2022
prepared by Victoria Tabor	approved by
board approval	
strategic objective	

subject

Electric Vehicle Fleet Update. City has 8 EV's and 4 on order

motion / recommendation

background

alternatives / other considerations

fiscal impact



Keep Winter Park
Beautiful &
Sustainable
Advisory Board

agenda item

item type Board Comments	meeting date August 16, 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 August 16, 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
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Sustainable
Advisory Board

agenda item

item type Upcoming Agenda Items	meeting date August 16, 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