

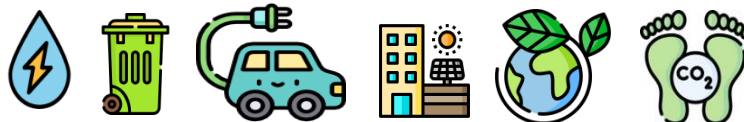
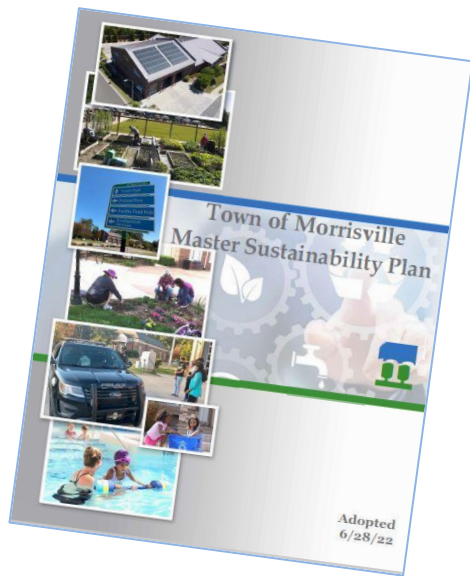


Sustainability Program FY2025 Update February 10, 2026

Kimberly Conley, Sustainability Coordinator

Master Sustainability Plan

Initiative	Plan Duration	Development	Approval
Master Sustainability Plan	FY2023-2028	Guides overall program and implementation. Stakeholder engagement was incorporated, as well as data analysis, and an assessment of previous sustainability projects prior to the formalization of the program. Created a baseline and subsequent goals.	Adopted by Town Council - 6/2022



Sustainability Task Force (STF)

- Most Town departments are represented on the STF.
- STF meets quarterly with sub-groups meeting regularly based on actions outlined for specific fiscal years.
- Updates on STF accomplishments posted to News & Notes and Department Head meetings (beg. 2026)

Energy/Water

Energy/Water Goals



Goal 1: Reduce electricity consumption -5% by 2026

- Energy efficiency/conservation
- Building Automation Systems
- Solar



-11% Reduction

Goal 2: Solar generation of 200 kW by 2026

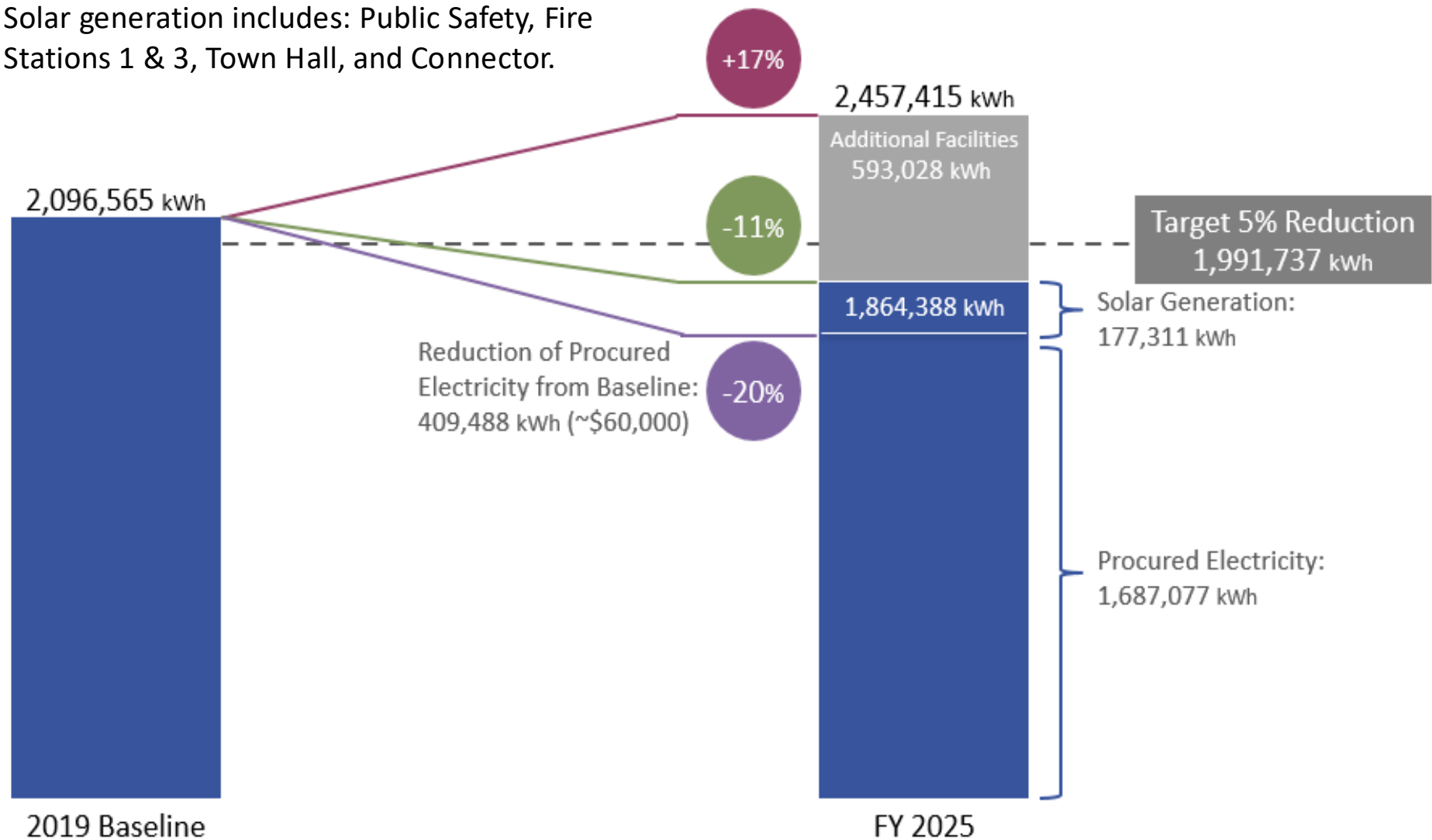
- Rooftop arrays: Public Safety, Town Hall, Fire Station #1,#3, Connector



267kW

Change in Total Electricity Usage, kWh

Solar generation includes: Public Safety, Fire Stations 1 & 3, Town Hall, and Connector.



MAFC Energy & Water Conservation Campaign



Sample of decals posted at MAFC. For representation only.

Thank you for helping us
**TO LEAVE NO WASTE,
LEAVE NO TRACE,**
and collectively care
for this shared space.



Waste/Recycling

Waste/Recycling Goals



Goal 3: Increase efficiency of waste/recycling of Town operations

210 pounds
textiles collected

- Education/training conducted with staff.
- Recycling signage posted in all facilities.
- Textile Recycling available at PW for uniforms.

The poster is titled "DON'T TANGLE OR CONTAMINATE RECYCLE RIGHT FOR A GREENER STATE" and features a recycling symbol made of smaller symbols. It is divided into four quadrants:

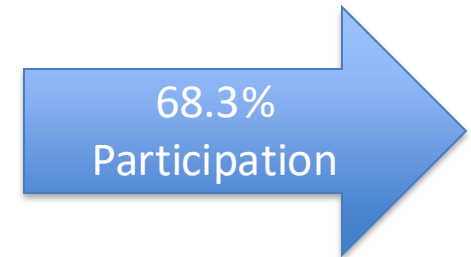
- PLASTIC:** Bottles, tubs, jugs and jars. Includes images of various plastic bottles and tubs. Notes: "No pumps" and "Empty and rinse".
- METAL:** All cans. Includes images of various metal cans. Note: "Empty and rinse".
- GLASS:** Bottles and jars. Includes images of various glass bottles and jars. Note: "Empty and rinse".
- PAPER:** Paper, cartons and cardboard. Includes images of paper, cartons, and cardboard. Note: "Flatten cardboard".

At the bottom, it says "WHEN IN DOUBT, THROW IT OUT!" and includes the "RECYCLE RIGHT" logo.

Waste/Recycling Goals cont.

Goal 4: Increase Community Recycling Rate

- Baseline of participation: 57.7%
- 18% increase
- National average: 43%



Goal 5: Food waste program accessibility

- FY24: 3 Town-sponsored community carts and carts for each Fire Station
- Fats, Oils, & Grease Collected: 570 gallons



Transportation

Transportation Goals



Goal 6: Reduce gasoline consumption -20% by 2026



- Vehicle count in 2019: 126 vs 2026: 134.
- Increase in call volume +1,200 in FY23-24 as compared to baseline (Fire).
- Events have increased from 20 in FY21 to 62 in FY25, which is a 210% increase. (Idling)
- Lack of available hybrid vehicles for replacements and the success in filling new and vacant positions has increased the overall consumption of gasoline.

Built Environment

Built Environment Goals



Goal 7: Incorporate green standards in Town projects

Tracking!

- Piloting LEED Silver (adjacent) for PW Facility & Senior Center
- Fire Station #3 Example:
 - Optimized Mechanical Systems (Willdan)
 - Building Automation System (monitoring)
 - Rooftop Solar
 - EV Charging
 - Award-winning Apiaries!



Built Environment Goals cont.

Goal 8: Build a sense of community

- Housing Rehabilitation Program for low-to-moderate income residents is currently being assessed for viability by the Task Force. This includes peer analysis and understanding of current resources available.
- Engineering has multiple projects that incorporate pedestrian/cycling-friendly aspects, such as Aviation Pkwy Pedestrian Access and Carolina Street.

Tracking!



Natural Environment

Natural Environment Goals



Goal 9: Maintain and nurture the Town's tree canopy

- Canopy Implementation Plan is currently underway!

Develop a 5-year plan to establish goals, strategies, and actions to achieve canopy growth by targeting areas where expansion will have the greatest community impact.



Tracking!



Natural Environment Goals cont.

Goal 10: Native plant inclusion for Town projects

Complete!

- FY24 established 70% minimum for native plant materials in Town projects. This resides in the PW Standards document, which is shared with all design/build firms for guidance.
- Duke Energy Foundation Grant=3 more native gardens this year!



Greenhouse Gas Emissions Goals



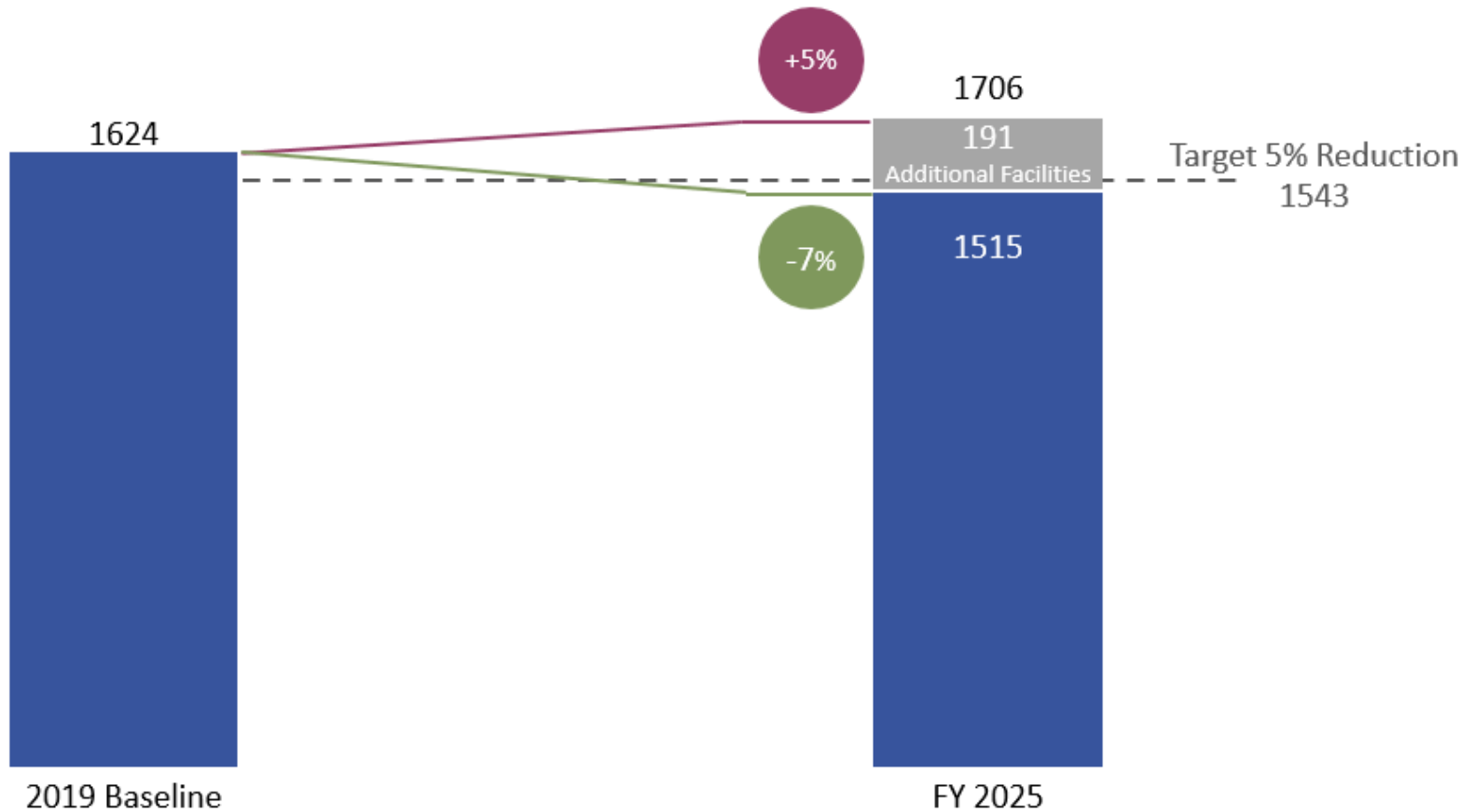
Goal 11: Reduce carbon emissions -5% by 2026

-7%

- Gains in solar as well as efficiency/conservation have resulted in 109 metric tons of CO₂e (carbon dioxide equivalent) as of FY25.

Emissions Source	MT CO ₂ e (% of Total)
Electricity	711 (44%)
Natural Gas	343 (21%)
Gasoline	489 (30%)
Diesel	81 (5%)
Total	1,624 (100%)

Change in Total GHG (MT CO₂e)



Additional Facilities includes Fire Station 3, Fire Admin, EV Charger, new streetlights

MSP Goals and Status

Objective	2019 Baseline	2026 Goal	FY2025	FY2025 vs. Baseline %
Reduce electricity -5% by 2026	2,096,565	1,991,737	1,864,662	-11%
Solar generation 200kW by 2026	0	200	267	134%
Reduce gasoline consumption -20% by 2026	54,805	43,884	71,352	30%
Reduce GHG emissions -5% by 2026	1,624	1,543	1,515	-7%
Recycling Participation 70%	57.7%	70%	68.29%	68.32%








FY25 data is included.

Strategic Planning Dashboard:

21 <https://opendata.morrisvillenc.gov/pages/spdashboard/>






MSP Actions Update

FY25 Actions/Status

FY25 Actions / Status	Detail
 Implement Solar (G2 S1.A2)	Two solar projects were installed, including Town Hall (59kW), and Connector (16kW).
 Promote Food Waste Program and Implement Pilot Project (G5)	The Town installed 3 community food waste carts open to resident use at 3 parks, including Northwest Park, Morrisville Community Park, and Church Street Park. As of December 2025, the carts are serviced twice per week, rather than once, which indicates adoption.
 Apply for Tree City Designation (G9 S1.A3)	The Town's Code of Ordinances (Ch.66) had to be revised and approved prior to application submission. Application was submitted Dec. 2025.
 Canopy Implementation Plan (G9)	White House Administration federal funding freeze delayed this project significantly.
 Identify RECs Purchase (G11 S2.A1)	Renewable Energy Certificates are purchased as a solution to ensure GHG goals are met annually. RECs were not needed based on solar inclusion.
 Research, Propose and Implement Green (buildings) Standards for Town Projects (G7 S1.A1-3)	Two projects were selected as pilots in order to determine viability of LEED Silver status (w/o certification).
 Evaluate opportunities for developer incentives to increase and / or save tree canopy (G9 S2.A1)	This item was put on hold to a) give the newly adopted Tree Preservation requirements passed in 2023, time to have an impact, and b) investigate the opportunity to partner with Planning on a larger, more comprehensive incentives discussion within a future effort.

The following key can be used to identify project status:

FY26 Actions/Status






FY26 Actions / Status	Detail
 Implement Solar (G2 S1.A2)	The remaining Congressionally Directed Spending solar projects are currently being re-bid to include domestic panels. The contractor is expected to be selected by March.
 Assess future solar (G2 S1.A2)	With the completion of rooftop arrays at the MAFC and the Chamber of Commerce buildings, all major buildings that the town owns will include solar energy. The opportunity to include solar in Capital Projects is a natural progression of this effort.
 Implement / Evaluate Food Waste Pilot Project (G5)	Evaluate existing food waste pilot and identify opportunities to expand the effort for Town operations as well as community resources.
 Investigate, Propose, and Approve Partnership Opportunities for Housing Rehab. for LMI (G8 S2.A2)	Peer municipalities such as Cary and Carrboro offer homeowners access to funding that may support energy efficiency and/or improvements that aid in aging-in-place which in turn supports affordable housing efforts.
 Identify Partners and Apply for Multi-Family Waste/Recycling Funding Opps. (G4)	Review opportunities through both the State and the County that support multi-family recycling.

Completed ✓

In Progress →

On Hold ▲

FY26 continued

 <p>Evaluate and Implement Surplus Policies (G3)</p>	<p>Language promoting re-use/repurpose as part of the Sustainable Purchasing Guidelines completed in FY24. Includes textile recycling collections available to all staff for uniforms and Town-imprinted clothes.</p>
 <p>Implement Tree Management Plan</p> <ul style="list-style-type: none">  Integrate incentives for Tree Canopy Save into UDO (G9) 	<p>The NC Forest Service grant in support of developing a Canopy Implementation Plan is currently underway. This 5-year plan will include a priority planting analysis and growth modeling for public land. It will also assess a community tree giveaway program.</p> <p>This item was put on hold to a) give the newly adopted Tree Preservation requirements passed in 2023, time to have an impact, and b) investigate the opportunity to partner with Planning on a larger, more comprehensive incentives discussion within a future effort.</p>
 <p>Identify RECs for Potential Purchase (G11 S2.A1)</p>	<p>Renewable Energy Certificates are purchased as a solution to ensure GHG goals are met annually. RECs were not needed based on solar inclusion.</p>
 <p>Implementation of EV Infrastructure (G6 S1.A4) Recurring</p>	<p>Clean Fuel Advanced Technology (CFAT) grant (awaiting Federal Highways Administration approval) to fund EV chargers at Church Street Southern Lot.</p>

Completed ✓

In Progress →

On Hold ▲



TREE CITY USA®
An Arbor Day Foundation Program

FY27-28 Actions (Revised Jan. 2025)

2027	FY 2027	2028	FY 2028
<ul style="list-style-type: none"> • Energy audits (G1 S1.A1) • Develop recommended incentives to developers to increase and /or save tree canopy (G9 S2.A1) • Explore internal policies and incentives for increased efficiencies (G6 S1.A5) • Research green (building) standards for policies, adopt green standard for Town projects (G7 S1.A1-3) • Identify REC options for potential purchase (G11 S2A.1) • Implement surplus policy (G3 S1.A3-4) 	<p>Assess MSP Goals and Report Results to Council / Community</p> <p>↑ Create New Goals (if appropriate)</p> <p>Implement Solar (G2 S1.A2)</p> <p>Create Communication Strategy for Housing Rehabilitation for LMI (G8 S2.A2)</p> <p>Assess Internal Policies for Increased Efficiencies (G6 S1.A5)</p> <p>Review PW Standards & Recommendations Document for Applicability and Impact (G7)</p> <p>Identify RECs for Potential Purchase (G11 S2.A1)</p> <p>Conduct Tree Inventory (G9)</p>	<ul style="list-style-type: none"> • Mechanical improvements (G1 S1.A3) • Draft recommendations for policies, adopt green standard for Town projects (G7 S1.A1-3) • Propose partnership opportunities for housing rehab. program for LMI (G8 S2.A2) • Identify REC options for potential purchase (G11 S2A.1) 	<p><i>Mechanical Improvements</i> (G1 S1.A3)</p> <p>Implement Solar (G2 S1.A2)</p> <p>Assess Food Waste Pilot Results and Recommend Phase II (G5)</p> <p>Integrate Tree Inventory into Management Plan and/or community tree giveaway (G9)</p> <p>Identify RECs for Potential Purchase (G11 S2.A1)</p> <p>Implementation of EV Infrastructure (G6 S1.A4) (Recurring)</p>

Timeline key:
 Solid color blocks represent original timeline tasks developed within the approved MSP. The column to the right is the revised timeline.
 Green text: Action that was not identified in the initial Timeline document.

Funding Summary

Status / Timeline	Grant	Description	Amount
FY23	Congressionally Directed Spending (Rep. Ross)	Solar on Town Facilities	\$250,000
Expected FY26	CFAT Grant	EVSE and EV	~\$50,000
	Duke Energy Foundation	Bio-Diversity & Native Plants Parks	\$10,000
Grants			\$310,000

Status / Timeline	Rebate	Description	Amount
Received FY25	Duke Energy Non-Profit	TH (Solar)	\$37,500
Received FY25	Federal Elective Pay	FS #3 (Solar)	\$48,000
		PSMS (Solar)	\$50,000
Expected FY26	Federal Elective Pay	Town Hall (Solar)	\$39,600
		Connector (Solar)	\$11,400
Rebates/Refunds			\$186,500

Sustainability Intern – Miranda Zwack

Key Projects:

- Student Art Poster Contest
 - Development of a Standard Operating Procedure
 - Library display, prizes, communication with parents
- Canopy Implementation Plan & Planting (July 2025-Sept. 2026)
 - Help manage Project Team, coordinate meetings, reporting & deliverables
 - Arbor Day Celebration April 4th 10a-1p



Next Gen MSP

- FY2026 – 5 of 11 Goals sunset
 - Report progress to Community
- FY2027 – Submit Request for Qualifications Subject Matter Experts/Consultants in Climate and Sustainability
 - Select Consultant
- FY2028 – Conduct Stakeholder Engagement beginning with Council priorities
 - Draft /Finalize Initial Scope
 - Develop Next Gen MSP

