



**Town of Davidson
Board of Commissioners Regular Meeting
Town Hall & Community Center Council Chamber – 251 South Street
Tuesday, April 8, 2025 at 6:00 PM**

I. CALL TO ORDER

II. ANNOUNCEMENTS / PROCLAMATION

- a. Earth Day - April 22, 2025**
- b. 2025 Public Sector Human Resource Association (PSHRA) North Carolina Chapter Recognition Award for Excellence in Organizational Development and Leadership - Town of Davidson Health and Wellness Program**

III. CHANGES TO THE AGENDA

IV. BUSINESS ITEMS

a. Red Line Commuter Rail Station Location Recommendation Discussion

Presenter: Jason Burdette, Planning Director

Summary: The Red Line Commuter Rail Project is a proposed 25-mile commuter rail project using the existing Norfolk Southern O-line connecting Lake Norman communities with Charlotte. First identified as a transit investment priority in 1998 and later stalled when Norfolk Southern changed its passenger rail policy in 2013, the commuter rail project was revived with the launch of the Red Line Design Update study currently underway and Charlotte's acquisition of the O-Line in September 2024. The study aims to update the Red Line's previous design from 2008, assess the viability of previously identified station locations, reevaluate vehicle technologies and frequency of service, and provide an updated cost estimate to better position the project for potential federal funding.

In Spring and Fall 2024, CATS hosted a number of public engagement opportunities as part of the Red Line Design Update. Goals of the Red Line Design Update include identifying the preferred station location in each community and moving the entire project towards 15% design. Several internal design workshops were held with CATS and their consultant team to ascertain Red Line station options in Davidson. Three station options were shared with the public during Public Information Sessions in January and February. Staff received feedback from the public as to what was most important in identifying a Davidson station location.

All three locations are viable options. However, staff recommends confirming that Site A (“Fire Station Site”) is the preferred option so that CATS and their consultant team can advance to 15% design. This is for discussion purposes only. The Board will be asked to confirm the station location at the April 22 meeting.
Action/Proposed Motion: This item is for discussion only.

b. Consider Approval of Fire Station #1 Design Services Request For Qualifications (RFQ)

Presenter: Ryan Monteith, Fire Chief

Summary: At the March 25 Board of Commissioners Meeting, Fire Chief Ryan Monteith and Finance Director Piet Swart presented on the Fire Station #1 project and the next step is to move to Design Services for Fire Station #1. The town has been planning for this station for many years and purchased the property for the station in 2023. At the conclusion of the presentation, the Board of Commissioners will be asked at the April 8 meeting to authorize the Town Manager to issue the Request For Qualifications (RFQ) for Fire Station #1 Design Services.

Action/Proposed Motion: Motion to Authorize the Town Manager to Issue the Request For Qualifications (RFQ) for Design Services for Fire Station #1.

c. Climate Action Plan 2024 Annual Report

Presenter: Kayla Kovach, Sustainability Manager

Summary: On April 9, 2024, the Town of Davidson adopted a Climate Action Plan which included numerous goals related to municipal operations, energy & buildings, transportation & mobility, resource conservation, green community, and climate resilience. A FY 25-26 Implementation Strategy was developed. The Board of Commissioners requested an annual progress report be presented each year to show Climate Action Plan progress for the previous calendar year. The 2024 Annual Report has been developed with support from various Town Departments and the Sustainability Board. The Sustainability Board reviewed and approved the 2024 Annual Report to come before the Board of Commissioners.

Action/Proposed Motion: This item is for discussion only.

V. SUMMARIZE MEETING ACTION ITEMS

Town Manager will summarize items where the board has requested action items for the staff.

VI. CLOSED SESSION

a. NCGS §143-318.11. (a) (6) – Personnel

Summary: The Board of Commissioners will hold a closed session per NCGS §143-318.11 (a) (6) – Personnel.

VII. ADJOURN



A PROCLAMATION
The Town of Davidson Earth Day
April 22, 2025

WHEREAS, Earth Day was first celebrated on April 22, 1970 inspired by growing concerns about pollution and the environment; and

WHEREAS, over 1 billion people worldwide participate annually to effect positive changes to safeguard our planet for future generations; and

WHEREAS, the theme for Earth Day 2025, is "Our Power, Our Planet," focusing on the importance of renewable energy and aiming to triple global electricity generation from renewable sources by 2030; and

WHEREAS, we are all caretakers of our planet and have an opportunity to renew commitments to combat climate change and to preserve the earth's beauty and resources; and

WHEREAS, all people, regardless of race, gender, income, or geography, have a right to a healthy, sustainable environment; and

WHEREAS, the Town of Davidson Core Values state that citizens must live in a healthy environment, so town government will protect watersheds, trees, air quality, and other elements of the town's ecology; and

WHEREAS, the Town of Davidson has adopted a Climate Action Plan that includes a carbon neutrality goal of 2037 for municipal operations and 2050 for the community; and

WHEREAS, the Town of Davidson applauds the many community groups, local businesses, and volunteers who seek to protect our environment.

NOW THEREFORE BE IT RESOLVED, I, Rusty Knox, Mayor of the Town of Davidson, do hereby proclaim April 22, 2025, as Earth Day in the Town of Davidson and call upon all citizens of our town to participate in the Davidson Earth Day Festival on Saturday, April 26. I urge all citizens of our town to protect the environment and contribute to a sustainable future on this day and every day, so that future generations may enjoy all that our planet affords us.

Proclaimed this 8th day of April 2025.

Rusty Knox
Mayor



AGENDA MEMO

To: Davidson Board of Commissioners

From: Jason Burdette, Planning Director

Date: April 8, 2025

Re: Red Line Commuter Rail Station Location Recommendation Discussion

ITEM SUMMARY/OVERVIEW

The Red Line Commuter Rail Project is a proposed 25-mile commuter rail project using the existing Norfolk Southern O-line connecting Lake Norman communities with Charlotte. First identified as a transit investment priority in 1998 and later stalled when Norfolk Southern changed its passenger rail policy in 2013, the commuter rail project was revived with the launch of the Red Line Design Update study currently underway and Charlotte's acquisition of the O-Line in September 2024. The study aims to update the Red Line's previous design from 2008, assess the viability of previously identified station locations, reevaluate vehicle technologies and frequency of service, and provide an updated cost estimate to better position the project for potential federal funding.

In Spring and Fall 2024, CATS hosted a number of public engagement opportunities as part of the Red Line Design Update. Goals of the Red Line Design Update include identifying the preferred station location in each community and moving the entire project towards 15% design. Several internal design workshops were held with CATS and their consultant team to ascertain Red Line station options in Davidson. Three station options were shared with the public during Public Information Sessions in January and February. Staff received feedback from the public as to what was most important in identifying a Davidson station location. All three locations are viable options. However, staff recommends confirming that Site A ("Fire Station Site") is the preferred option so that CATS and their consultant team can advance to 15% design. This is for discussion purposes only. The Board will be asked to confirm the station location at the April 22 meeting.

ACTION/PROPOSED MOTION

This item is for discussion only.

RELATED TOWN GOALS

Strategic Plan Alignment

Goal C: Expand, improve, and diversify the town's transportation network to provide residents and visitors with safe, convenient, accessible, reliable, and efficient multi-modal travel choices to connect people across the community.

Priority strategies:

1. Prioritize and implement mobility plan recommendations for policies, programs, and projects.
3. Work with Charlotte Area Transit System (CATS) to improve local and regional transit services and accelerate construction of transit stop amenities.

Core Values

- Open communication is essential to an engaged citizenry, so town government will seek and provide accurate, timely information and promote public discussion of important issues.
- Citizens need to move easily throughout the town and region, so government will provide a variety of options, such as sidewalks, bike paths, greenways, connected streets, and transit.

NEXT STEPS

The Board will be asked to confirm the station location at the April 22 meeting.



Red Line Commuter Rail: Station Location Recommendation

Jason Burdette, AICP
Planning Director
April 8, 2025

Presentation Outline

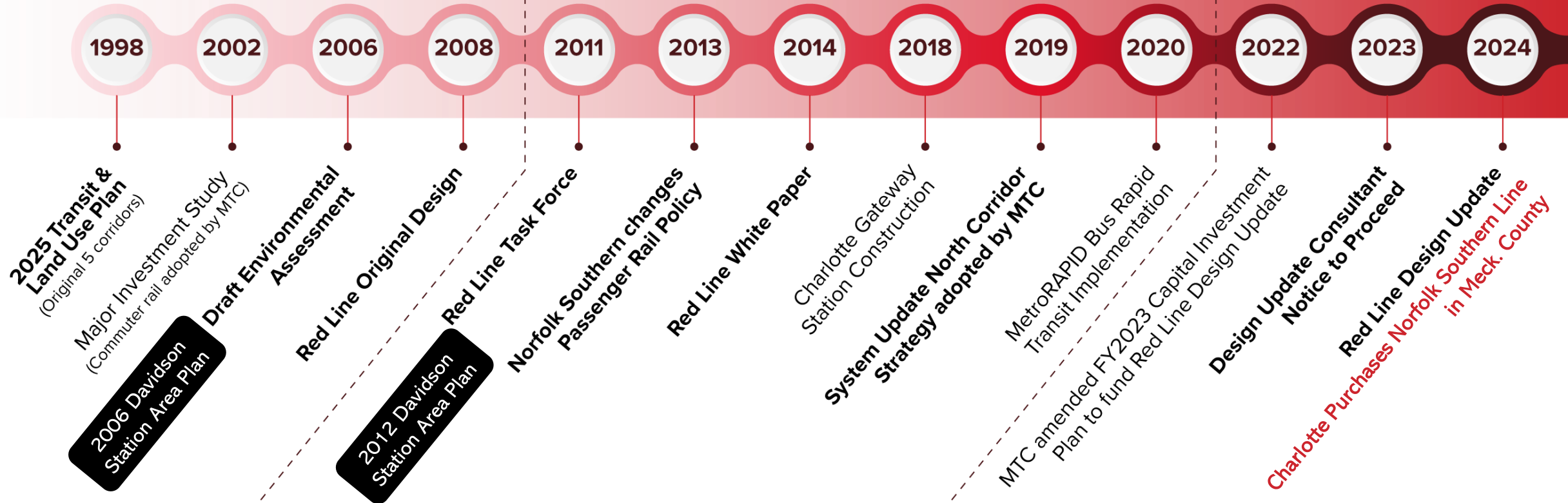
- Brief Red Line Commuter Rail Project History
- Purpose/Scope Red Line Design Update
- CATS + Davidson Public Engagement Efforts
- Davidson Site Options
- Station Location Recommendation
- Next Steps

Red Line Project History

Traditional Approach

Alternative Funding & Related Projects

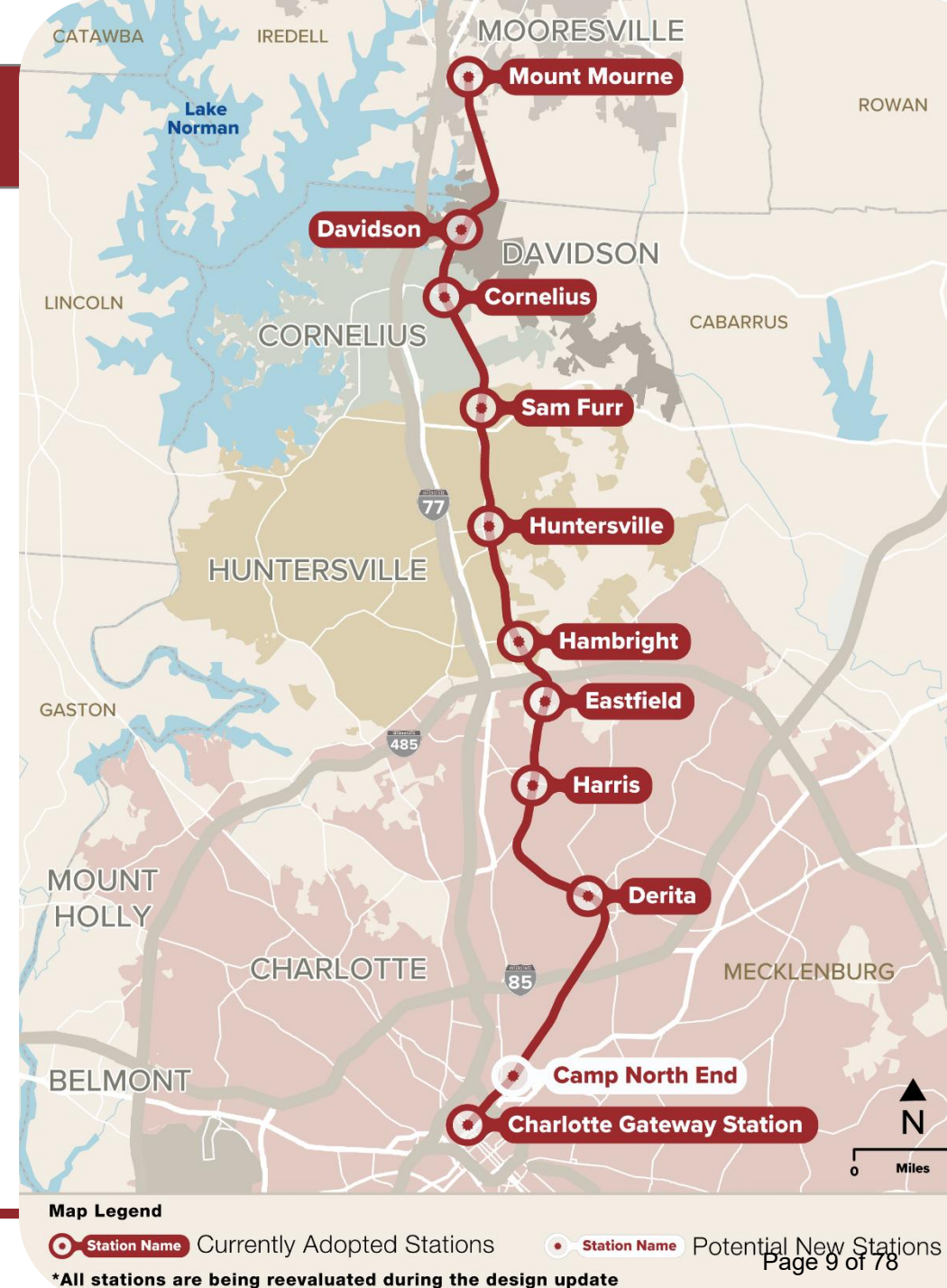
A Path Forward



Red Line Design Update Scope

The first phase of the Red Line Design Update will be completed by early 2025. It will focus on:

- Public involvement and stakeholder coordination
- Updating the previous design from 2008
- Assess the previously identified station locations
- Reevaluating vehicle technologies and frequency of service
- Providing an updated cost estimate
- Get to 15% design with preferred station location



CATS Public Engagement Efforts

SPRING 2024

- Virtual Public Meeting: (Wed., Apr. 10, 6:00 pm)
- In-Person Meetings:
 - Davidson Library (Tues., Apr. 16, 6:00 pm)
 - Huntersville Library (Thurs., Apr. 18, 6:00 pm)
 - Sugar Creek Library, Charlotte (Sat., Apr. 20, 10:00 am)

FALL 2024

- Virtual Public Meeting: (Tues., Oct. 8, 5:30 pm)
- In-Person Meetings:
 - Charlotte (Mon. Sept. 30, 5:30 pm)
 - Cornelius Town Hall (Thurs., Oct. 3, 5:30 pm)
 - Waymer Center, Huntersville (Thurs., Oct. 10, 5:30 pm)
- Davidson Connections (Thurs., Sept. 5)
- Davidson College “Listening Session” (Thurs., Sept. 26)



Davidson Public Engagement Efforts

WINTER 2025

○ In-Person Meetings:

- Hurt Hub @Davidson (Thurs., Jan. 30, 6:00 pm)
-Live Streamed on YouTube
- Hopewell Baptist Church (Thurs., Feb. 6, 6:00 pm)
- Ada Jenkins Center (Wed., Feb 12, 11:00 am)
- Davidson College DCI (Wed., Feb. 26, 7:00 pm)



Station Options

Current Station Options

Site A: Fire Station

- North of Griffith Street
- Owned by Town
- Proposed future Fire Station #1

Site B: Sadler Square

- South of Griffith Street
- Owned by Piedmont Capital
- Currently under renovation

Site C: Linden Mill/Jackson Street

- Jackson Street alignment
- Owned by Linden Mills LLC
- Future Redevelopment
- Brownfield site

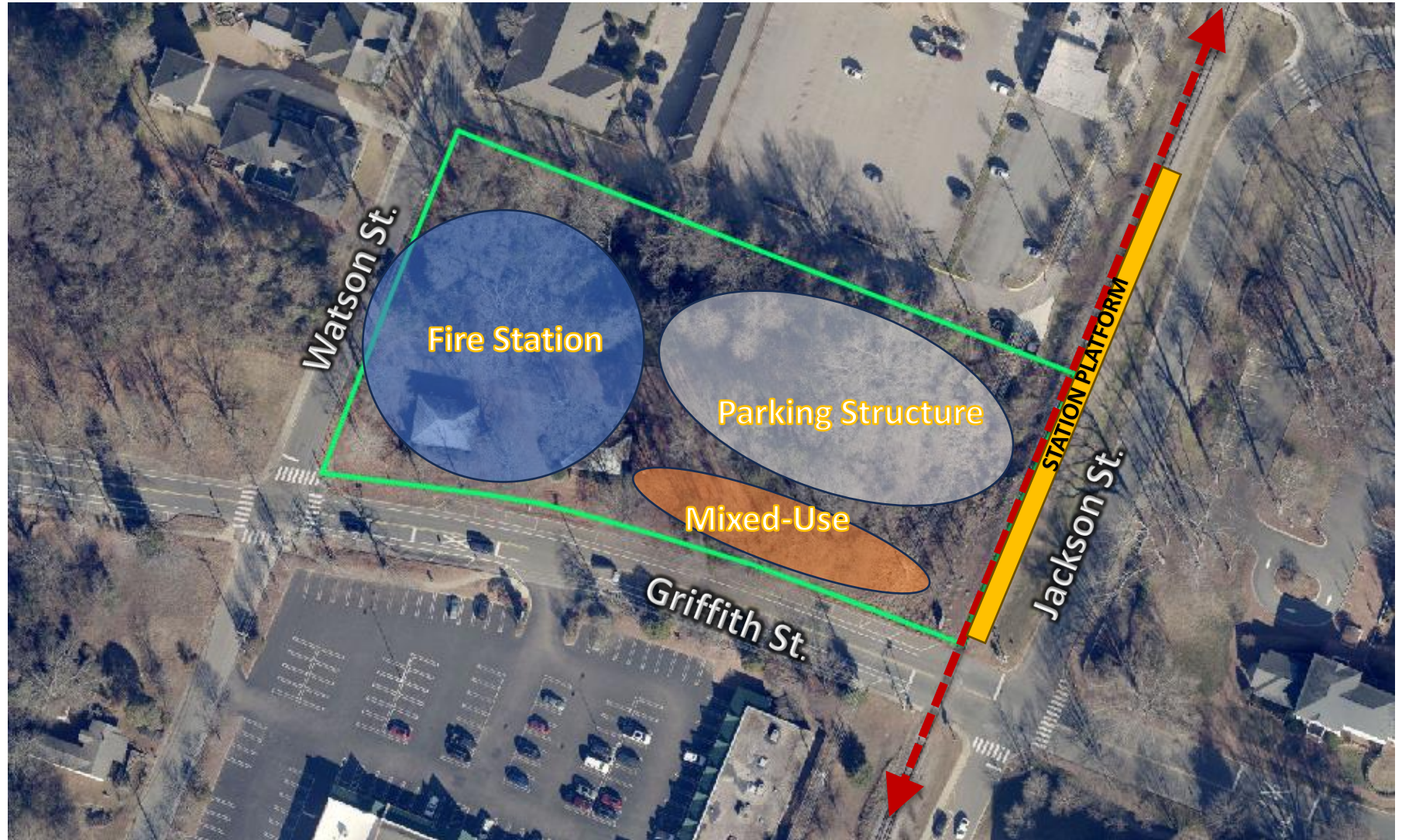


Station Option A: Fire Station Site

SITE SPECIFICS

- Town-owned site
- Co-located with future Fire Station
- Parking Structure (Lined)
- Mixed-Use Building
- Primary frontage streets
- Potential direct financial benefit to Town/taxpayer

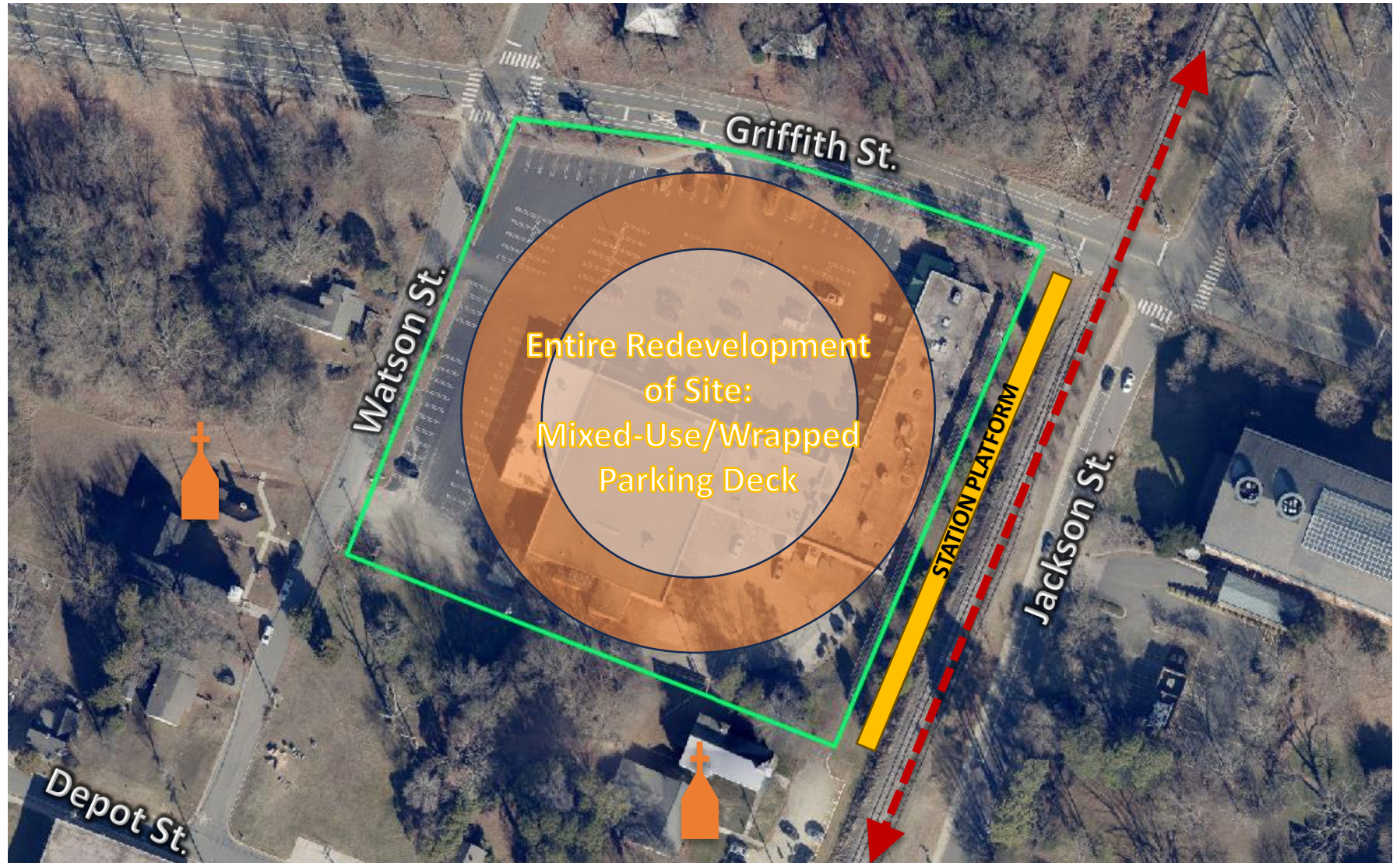
** Current preferred option*



Station Option B: Sadler Square

SITE SPECIFICS

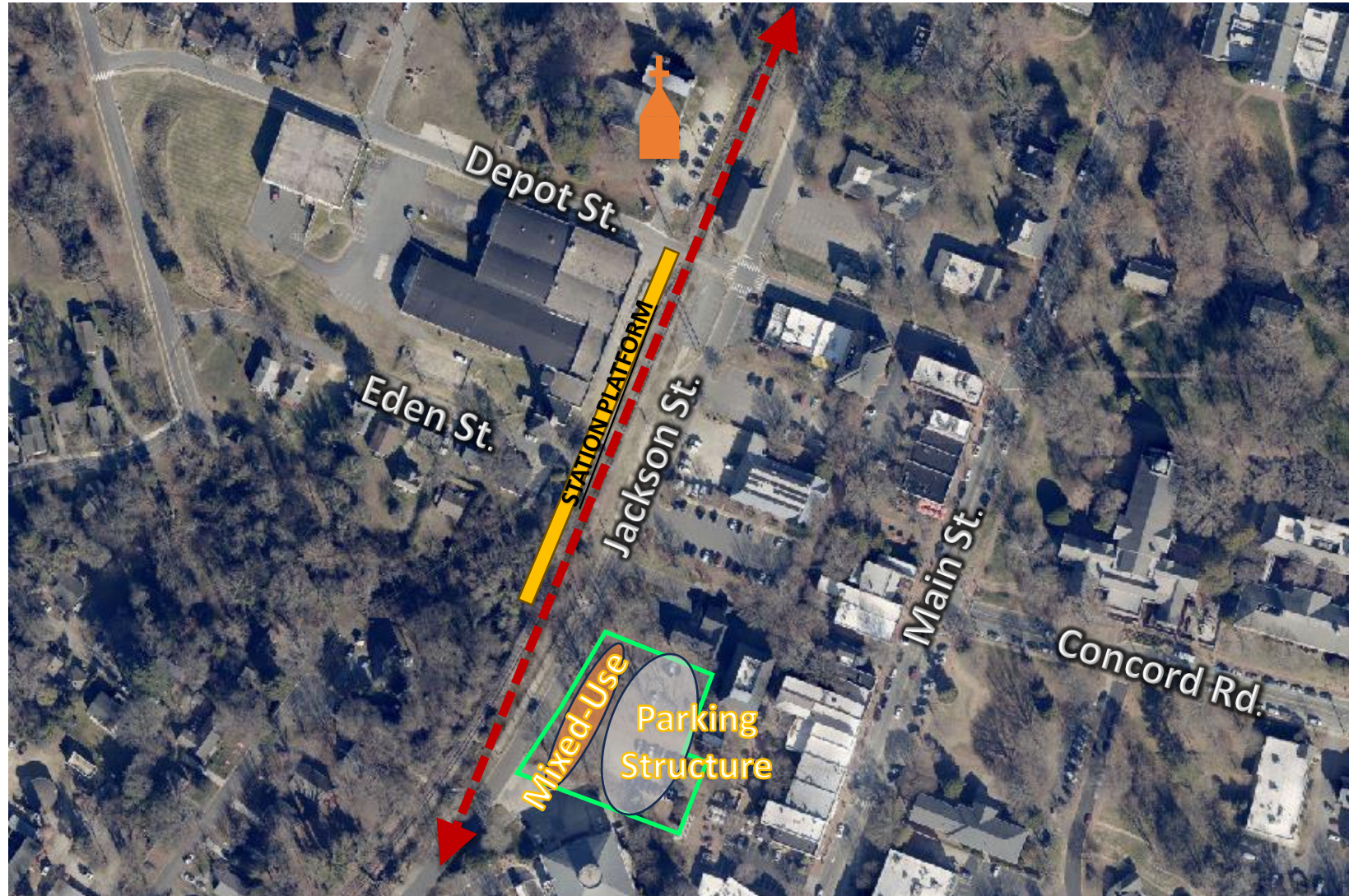
- Owned by private entity; currently getting a “facelift”
- Wholly dependent upon collaborative partner
- Requires complete redevelopment of site
- Parking Structure (wrapped)
- Multiple mixed-use buildings (higher densities)
- Primary frontage streets
- Potential econ. development benefit to Town/taxpayer with redevelopment
- Asbestos presumed to be on site (never tested)



Station Option C: Linden Mill/Jackson St.

SITE SPECIFICS

- 2008 station location based upon increased densities
- Station: Linden is a brownfield
- Town-owned land
- Parking Structure (wrapped)
- Mixed-Use building
- Jackson/Depot: secondary streets
- Distance between station platform and parking
- Potential direct financial benefit to Town/taxpayer
- Traffic/parking would compete with existing downtown demand
- Local Historic District



Station Location Recommendation

- No fatal flaw with any of the three options; all viable
- Staff recommends Site A for the Davidson station location for many reasons, including:
 - Primary frontage road/access and existing transportation infrastructure
 - Multi-modal connection opportunities
 - Ability to accommodate station facilities/functions
 - Parking would not compete with Downtown (but could support Downtown)
 - Proximity to Davidson College and potential ridership base
 - Potential financial benefit to town/taxpayer
- All other communities have station location identified
- The Town needs to confirm a station location so that CATS can advance to 15% design

Next Steps (Near Term)

- ❑ **April 22, 2025:** Board of Commissioners takes action to confirm Davidson's preferred station location; Allow CATS to advance to 15% design
- ❑ **November 2025:** If authorized, Mecklenburg County puts one-cent sales tax referendum on the ballot (40% rail, 40% roadways, 20% bus)
- ❑ **July 2026:** If referendum passes, new sales tax levy would start
→ *\$3.2m/year for Davidson roadway projects*

Questions





AGENDA MEMO

To: Davidson Board of Commissioners

From: Ryan Monteith, Fire Chief

Date: April 8, 2025

Re: Consider Approval of Fire Station #1 Design Services Request For Qualifications (RFQ)

ITEM SUMMARY/OVERVIEW

At the March 25 Board of Commissioners Meeting, Fire Chief Ryan Monteith and Finance Director Piet Swart presented on the Fire Station #1 project and the next step is to move to Design Services for Fire Station #1. The town has been planning for this station for many years and purchased the property for the station in 2023. At the conclusion of the presentation, the Board of Commissioners will be asked at the April 8 meeting to authorize the Town Manager to issue the Request For Qualifications (RFQ) for Fire Station #1 Design Services.

ACTION/PROPOSED MOTION

Motion to Authorize the Town Manager to Issue the Request For Qualifications (RFQ) for Design Services for Fire Station #1.

RELATED TOWN GOALS

Strategic Plan Alignment

Healthy, Livable, & Vibrant Community - Promote collaborative efforts to create livable spaces and healthy places to enhance quality of life for all residents. Operational Excellence - Provide efficient and high-quality public services and facilities through thoughtful and proactive planning, responsible stewardship of Town resources and a professional and committed workforce.

Core Values

Davidson must be a safe place to live, work, and raise a family, so the town will work in partnership with the community to prevent crime and protect lives, property, and the public realm.

Citizens entrust town government with the stewardship of public funds, so government will provide high quality services at a reasonable cost.

NEXT STEPS

If approved, staff will issue the RFQ and after staff selects the architect, a contract will be negotiated and brought back to the town board for approval.



Consider Approval of Fire Station #1 Design Services Request For Qualifications (RFQ)

J. Ryan Monteith, Fire Chief
Board of Commissioners Meeting

April 8, 2025

www.townofdavidson.org

Plans Alignment

Core Values

- **Safety and Well-being:** The town prioritizes creating a safe environment for residents, emphasizing crime prevention and protecting lives, property, and the public realm.
- **Effective and Efficient Public Services:** Davidson aims to provide efficient and effective public services, including protecting health, safety, and welfare, ensuring equal access, and fostering innovation.

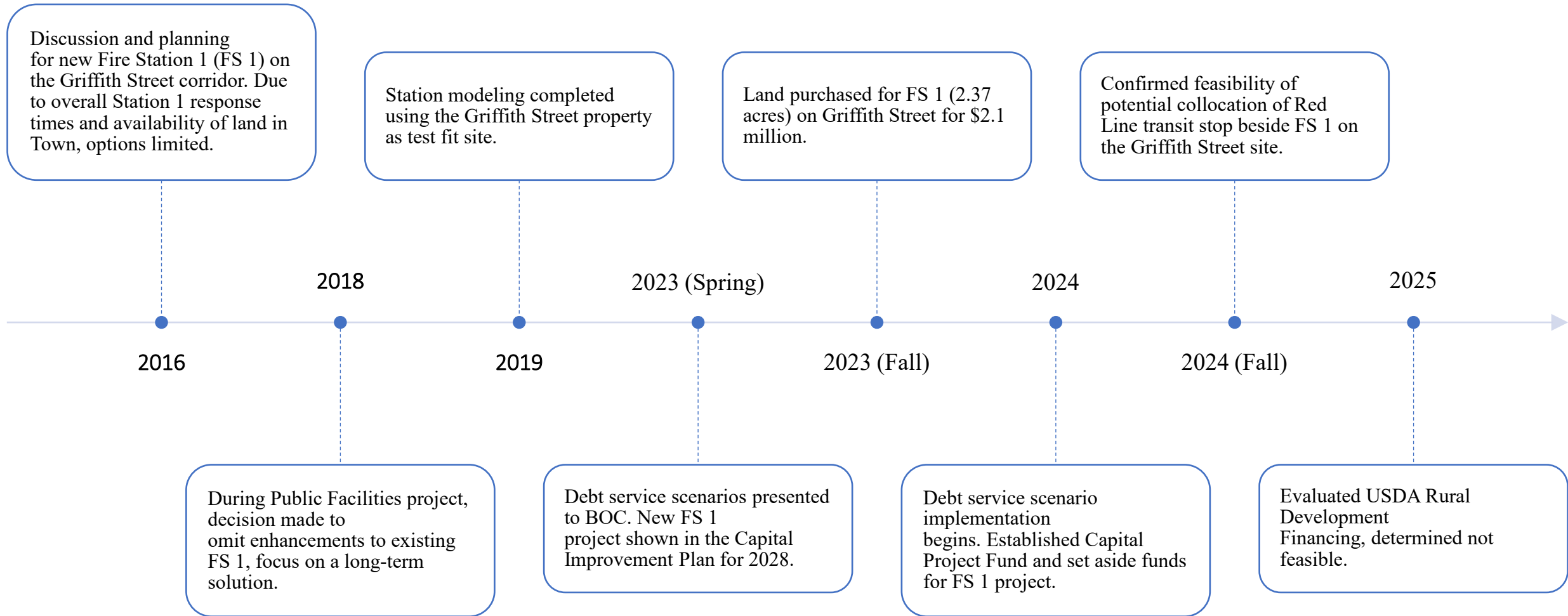
Comprehensive Plan

- **Efficient and High-Quality Public Services:** The town will provide efficient and high-quality public services and facilities that meet the community's needs and promote the health, safety, and wellbeing of all community members.

Strategic Plan

- **Healthy, Livable, and Vibrant Community:** Provide a safe and secure community utilizing best practices and standards.
- **Operational Excellence:** Provide efficient and high-quality public services and facilities through thoughtful and proactive planning, responsible stewardship of Town resources and professional and committed workforce.

History



Design Services & Project Management

- The planned project delivery method is Design-Bid-Build.
- Anticipated design timeline is 12 months
- Beginning design work now positions the Town to move forward if the overall project timeline changes or if grant funding or other sources of funds become available.
- Cost estimated at approximately 8% of construction costs (about \$1 million).
- PM will function as an owner representative from the design RFQ through the certificate of occupancy.
- The PM's role will be to protect the Town's investment by ensuring the project is completed on time and within budget.
- Cost \$100,000-\$125,000 for the initial design phase contract (up to \$300,000 for the entire project).

Anticipated Project Timeline

Phase	Time Frame	Anticipated Time
RFQ for Design Contract	Spring - 2025	3 Months
Award Design Contract	Summer/Fall - 2025	3 Months
Completed Design	Fall - 2026	12 Months
Bids for Construction	Fall - 2026	3 Months
Award Construction Contract	Winter - 2026/2027	
Financing Agreement	Winter - 2027	
Construction	Spring - 2027	18 Months
Certificate of Occupancy	Fall - 2028	

Project Funding Plan

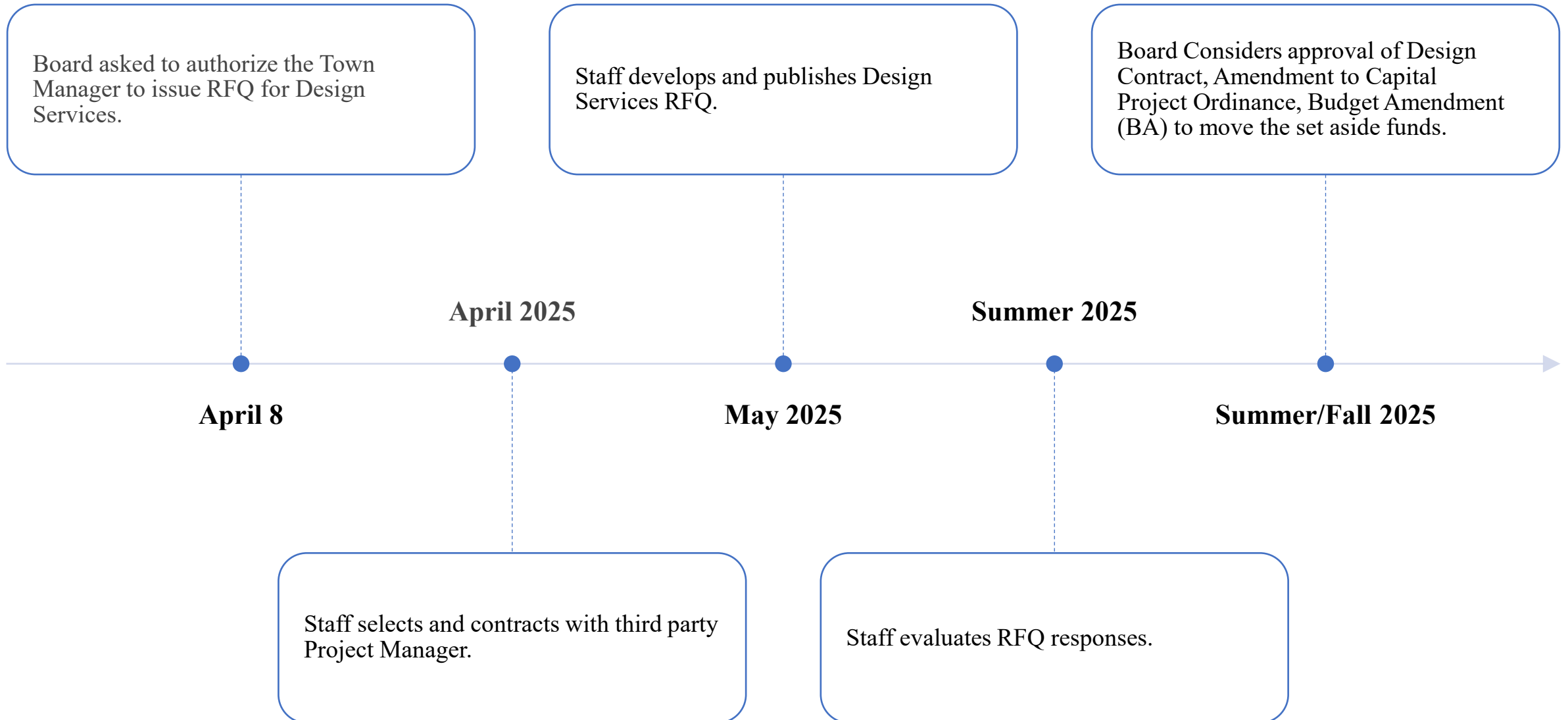
- August 2024, Board allocated \$540,000 for the Project.
- Set aside funds (\$2.5 million) for future debt service by FY2029*.
- Proposed 1 penny increase to the Ad Valorem Tax rate in 2028, during revaluation year.
- Issuance of debt planned in FY2028.
- Preliminary estimate of construction cost is \$18 million in 2027.
- This funding plan also includes debt service on purchase of replacement fire pumper truck.

**Bond Rating evaluators commented on the responsible view on debt planning taken by the Town.*

Project Funding

Current Funds Available			
8/27/2024		\$ 140,000	Establish Capital Project Fund (CPF)
8/27/2024		<u>\$ 400,000</u>	Funds Allocated from Fund Balance (FB)
		\$ 540,000	Total available as of March 2025
Projected Funds		Cumulative Funds Available	
FY25	\$ 375,000	\$ 915,000	Funds moved from FB July 2025
FY26	\$ 375,000	\$ 1,290,000	Portion of funds from budgeted expenditures and FB July 2026
FY27	\$ 400,000	\$ 1,690,000	Funds from budgeted expenditures
FY28	\$ 1,000,000	\$ 2,690,000	Tax Increase and Previous Sales and Use Tax

Next Steps



Motion to Authorize the
Town Manager to Issue the
Request For Qualifications
(RFQ) for Design Services
for Fire Station #1.





AGENDA MEMO

To: Davidson Board of Commissioners

From:

Date: April 8, 2025

Re: Climate Action Plan 2024 Annual Report

ITEM SUMMARY/OVERVIEW

On April 9, 2024, the Town of Davidson adopted a Climate Action Plan which included numerous goals related to municipal operations, energy & buildings, transportation & mobility, resource conservation, green community, and climate resilience. A FY 25-26 Implementation Strategy was developed. The Board of Commissioners requested an annual progress report be presented each year to show Climate Action Plan progress for the previous calendar year. The 2024 Annual Report has been developed with support from various Town Departments and the Sustainability Board. The Sustainability Board reviewed and approved the 2024 Annual Report to come before the Board of Commissioners.

ACTION/PROPOSED MOTION

This item is for discussion only.

RELATED TOWN GOALS

Strategic Plan Alignment

Healthy, Livable, & Vibrant Community - Promote collaborative efforts to create livable spaces and healthy places to enhance quality of life for all residents.

Sustainability and Natural Assets - Preserve Davidson's natural assets and develop, implement, and actively encourage innovative solutions to environmental, energy, and climate-based challenges.

Core Values

Citizens must live in a healthy environment, so town government will protect watersheds, trees, air quality, and other elements of the town's ecology.

NEXT STEPS

Town staff will continue tracking progress and reporting on Climate Action Plan progress annually.



Climate Action Plan 2024 Annual Report

Kayla Kovach
Sustainability Manager
April 8, 2025

www.townofdavidson.org

CAP Timeline Reminder

ADOPTED – April 2024

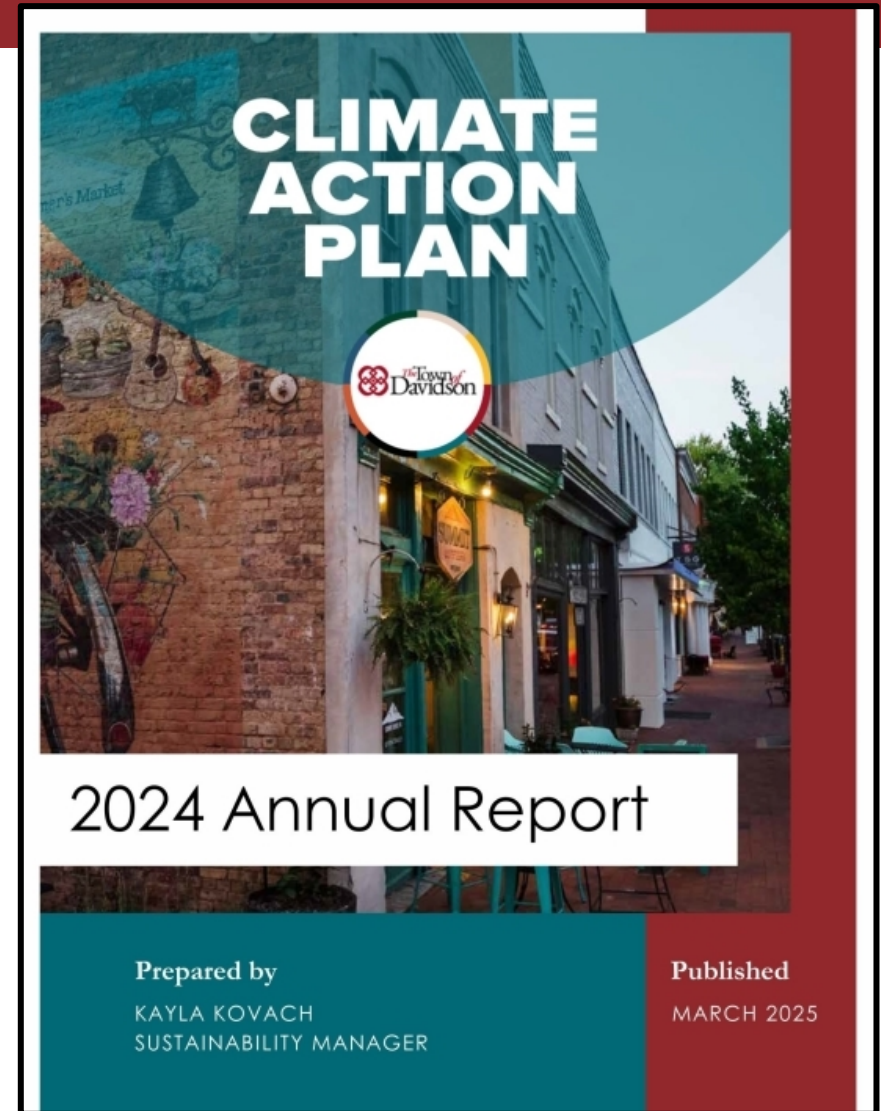
ANNUAL – Track progress via Annual Report

BIENNIAL – Implementation Strategy development for following
2 fiscal years

5 YEARS – CAP Review and GHG Emission Inventory Update

Report Development

- This year's report is text heavy to show progress; data organization is underway currently with hopes of showing progression through more data in Year 2
- Worked with all Town departments to gather information and data
- Reviewed by Town Staff and Sustainability Board



Overview of Progress

Climate Action Plan Standings as of December 2024

No. of Awaiting Action Steps	No. of In Progress Action Steps	No. of Completed Action Steps
43	43 	2 

Highlights

- 2024 Marvin Collins Outstanding Planning Award for Sustainability and Resilience – Small Community
- LEED for Cities Silver Certified

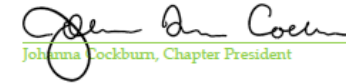
2024 Marvin Collins Outstanding Planning Award

Award Category
Sustainability and Resilience | Small Community

This certificate is awarded to
The Town of Davidson

In recognition of the
The Town of Davidson Climate Action Plan

Given this 16th day of October, 2024


Johanna Cockburn, Chapter President


Hannah Williams, Awards Committee Co-Chair


Elizabeth Jernigan, Awards Committee Co-Chair



American Planning Association
North Carolina Chapter

Creating Great Communities for All



Overview of Progress

GRANT FUNDING

\$899,142

APPLIED FOR

\$15,000

AWARDED

\$884,142

WAITING TO HEAR BACK

REBATES

\$15,699

TOTAL REBATES RECEIVED

Energy efficiency rebates received for Public Safety Building window tinting, equipment upgrades, & Town Hall & Community Center cool roof.

Priority Items Progress

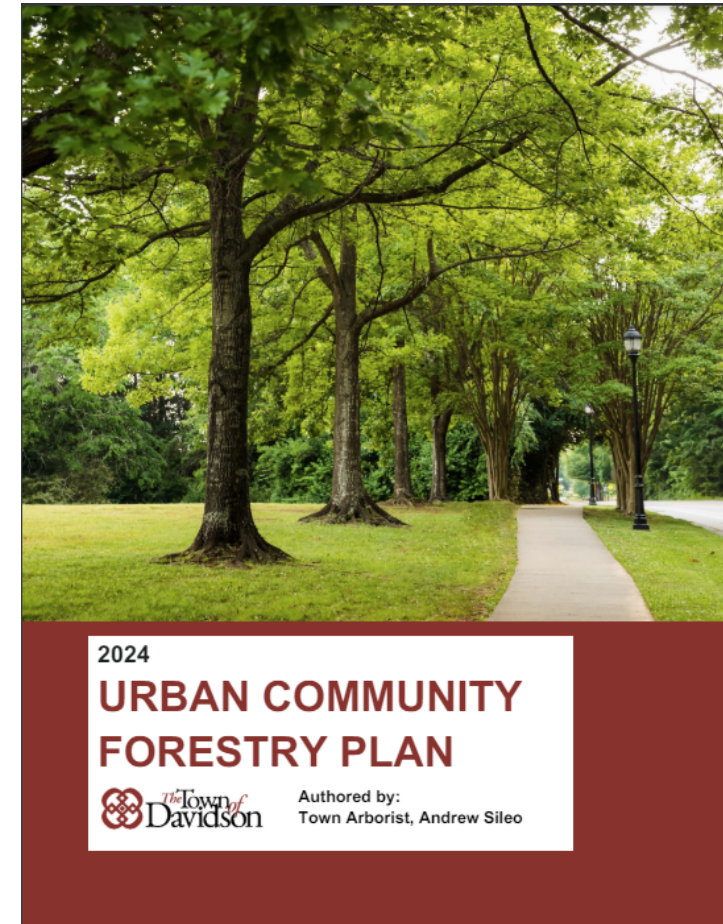
FY25,26 Implementation Strategy Progress

	Awaiting Action	In Progress	Complete
No.	9	21	2
%	28	66	6

Completed Highlights



Enpira is a software platform that enables electric utilities, building portfolios, and local government to better manage energy use.



In Progress Highlights



In Progress Highlights



In Progress Highlights



2025 Sneak Peek



2025 Sneak Peek

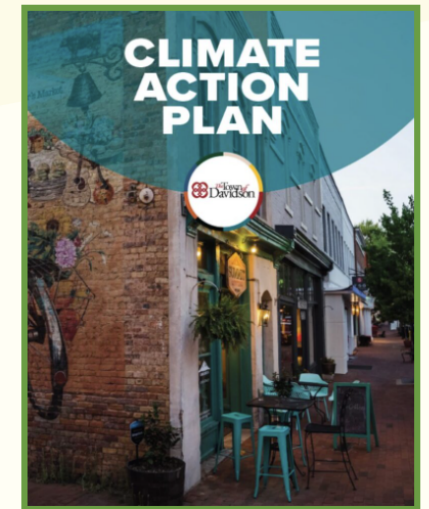


Inspiring Government Agency Nominees

March 9, 2025

The Town of Davidson

Davidson is a small, progressive community in North Carolina, known for its dedication to sustainability and quality of life for all residents. Through its Climate Action Plan, Davidson has set ambitious goals for emissions reductions, resilience to climate change, and community-wide carbon neutrality by 2050. The town is committed to renewable energy, environmental conservation, and affordable housing, and actively engages residents in sustainability efforts. With its focus on transportation, mobility, and community resilience, Davidson stands out as a leader in creating a healthier, more sustainable future.



NEXT STEPS:

- Continue tracking progress and reporting annually
- Continue data collection and organization for future reporting
 - Davidson College Sustainability Scholar to assist this summer
- Sustainability Board to assist with LEED for Cities review against CAP Annual Report
- Sustainability Board to assist with priority selection for FY 27,28 Implementation Strategy

DISCUSSION



CLIMATE ACTION PLAN



2024 Annual Report

Prepared by

KAYLA KOVACH
SUSTAINABILITY MANAGER

Published

MARCH 2025



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Pictured: Pollinator garden at Beaty Park.



Introduction

The Town of Davidson (referred to herein as “the Town”) Climate Action Plan (CAP) was adopted on April 9, 2024. After adoption, the Board of Commissioners requested an Annual Report be presented each year showing CAP progress. This Annual Report for 2024 covers progress made since CAP adoption throughout the remainder of the year.



Pictured: Both photos were taken at the 2024 Earth Day Festival where the Town's CAP adoption and LEED Silver Certification were celebrated.

Climate Action Plan Standings as of December 2024

No. of Awaiting Action Steps	No. of In Progress Action Steps	No. of Completed Action Steps
43	43 	2 

Note, throughout this Annual Report, some action steps were too long to include the full text from the CAP. In those instances, “...” has been included at the end of the text to indicate that the action step is longer than shown and the full text can be found in the CAP document. Additionally, nothing has been reported on items Awaiting Action, so they are not included throughout the report. The full list of action items can be found in the CAP document.



MAJOR ACHIEVEMENTS



2024 Marvin Collins Outstanding Planning Award

Award Category
Sustainability and Resilience | Small Community

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Given this 16th day of October, 2024


Johanna Lockburn, Chapter President

 
Hannah Williams, Awards Committee Co-Chair Elizabeth Jernigan, Awards Committee Co-Chair



American Planning Association
North Carolina Chapter

Creating Great Communities for All



CAP received 2024 Marvin Collins Award

On Wednesday, October 16 the American Planning Association – North Carolina Chapter recognized the Town of Davidson Climate Action Plan as the recipient of the 2024 North Carolina Marvin Collins Award in the Sustainability and Resilience - Small Community category. Sustainability Manager Kayla Kovach attended the awards ceremony in Greenville, NC to receive the award on the Town's behalf.



LEED for Cities Silver Certification

The Town of Davidson was recognized by the U.S. Green Building Council (USGBC) for achieving Leadership in Energy and Environmental Design (LEED) Silver certification. The goals within this certification will work in tandem with the CAP. For additional information about the LEED Silver certification, visit [The Town of Davidson - LEED for Cities webpage](#).





NOTEWORTHY 2024 STATS

CAP ACTION ITEMS

- 2%** COMPLETED ACTION STEPS
- 49%** IN PROGRESS ACTION STEPS
- 49%** NOT STARTED ACTION STEPS

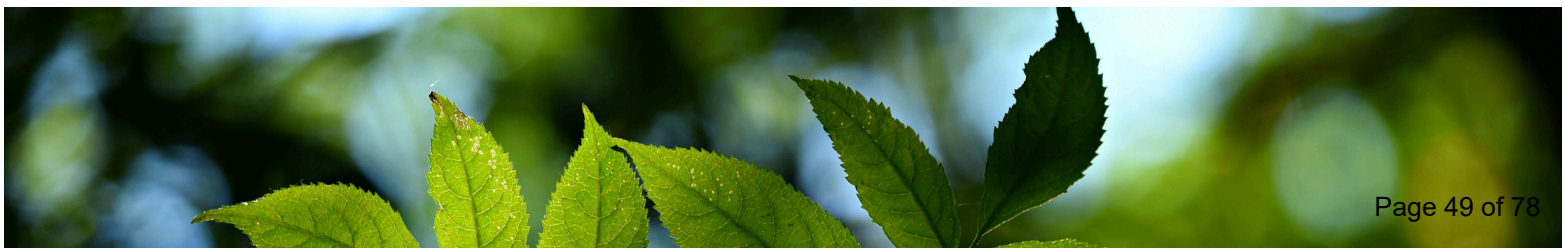
GRANT FUNDING

- \$899,142** APPLIED FOR
- \$15,000** AWARDED
- \$884,142** WAITING TO HEAR BACK

REBATES

- \$15,699** TOTAL REBATES RECEIVED

Energy efficiency rebates received for Public Safety Building window tinting, equipment upgrades, & Town Hall & Community Center cool roof.





FOCUS AREAS

This Annual CAP Report is organized by focus areas which were identified in the Climate Action Plan.



Municipal Operations



Transportation & Mobility



Buildings & Energy



Resource Conservation



Green Community



Climate Resilience



Pictured: One of the tree value signs placed on a tree downtown by the Town Arborist to educate the community on tree benefits.



Goal M1

Reduce Mobile Source Emissions in Town Operations



Strategy M1.1: Convert 100% of the Town fleet to EVs, hybrids, or use clean fuels by 2037

Pictured: Community Engagement Electric Truck, placed in service in early 2024.

→ **Action Step M1.1.1:** Develop a ZEV Strategy for the Town fleet that evaluates fleet conversion to achieve 72.3% emissions reduction...



Pictured: Parks & Recreation Department celebrating the end of Bradley Passarella's internship at Summit Coffee during Plastic Free July.

Davidson College Sustainability Scholar

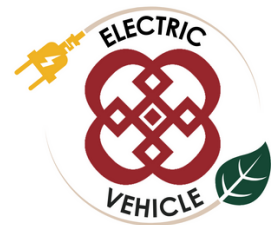
Over the summer, the Department of Parks and Recreation welcomed summer intern Bradley Passarella from June 3 through July 25. Bradley, a Davidson College Student, participated in the Davidson College Sustainability Scholars Program which matches student interns with sustainability professionals. The topic of Bradley's focus during the internship was the Town's vehicle fleet, including calculating current greenhouse gas emissions and evaluating how to reduce these emissions.

→ **Action Step M1.1.2:** Ensure all newly acquired vehicles for Town use are either EVs, hybrids, or use clean fuels...



The Town is continuing to explore options for transitioning vehicles. In 2024, a hybrid truck was purchased for the Public Works Department.

2024 Total Town Vehicle Purchases	2024 EV & Hybrid Town Vehicle Purchases	% EV/Hybrid to Total Purchased Vehicles in 2024
7	1	14%



The Town designed hybrid and electric vehicle decals for the Town fleet. These decals help highlight the Town's efforts working towards this CAP goal while also showcasing the Town's electric and hybrid vehicles to the community.



Goal M1

Reduce Mobile Source Emissions in Town Operations

Strategy M1.2: Reduce emissions from employee commuting by 30% by 2037

→ **Action Step M1.2.1:** Evaluate and monitor emissions from employee commute VMT. Develop and implement telecommuting policies for eligible municipal employees to reduce daily commutes...

The Town has a telecommuting policy in place for eligible municipal employees to reduce daily commutes. No new updates for this action step in 2024.

IP

Strategy M1.3: Reduce off-road emissions in Town operations by 100% by 2037

→ **Action Step M1.3.1:** Replace gasoline or diesel-powered Town tools and machinery with electric or battery-powered alternatives by 100% by 2037.

The Public Works Department has made progress with converting Town tools to electric where feasible and possible. Currently, approximately 16% of the tools used by the Public Works Department are electric.

IP

Pictured: Town Arborist Andrew Sileo with electric tools he uses to provide tree services to the community.





Pictured: "Cool roof" installed at Town Hall to prevent heat absorption in an effort to improve building energy efficiency.



Goal M2

Operate Sustainable Buildings

Strategy M2.1: Reduce municipal building energy use by 75% by 2037

- **Action Step M2.1.1:** Conduct an energy audit on town buildings to identify savings opportunities and commit to implementing the highest-impact measures in the earliest feasible budget cycle. Formulate a detailed Energy Action Strategy outlining the steps, timeline, and methodology for implementation to ensure prompt action and accountability.

IP

Waste Reduction Partners (WRP) completed an energy audit at two Town buildings: Town Hall and Fire Station 2. WRP technical assistance and consulting services are provided at no cost, funded by government-sponsored grants, utility contracts, and private contributions.

- **Action Step M2.1.2:** Subscribe to and participate in a building performance-tracking platform for all municipal buildings to increase automation, smart controls, and real time adjustments (E2.2.3). Monitor through real-time, monthly/periodic data reports from the platform, and/or conducting annual assessments to ensure continuous data oversight to allow timely implementation of building improvements.

C

The Town began working with a utilities management service provider in 2024 to consolidate and track utility information for buildings and other Town facilities. This action step is considered complete but will be on-going as data is continued to be compiled and tracked each year.

- **Action Step M2.1.3:** Install energy measures as outlined in the Energy Action Strategy (M2.1.1).

IP

While a formal Energy Action Strategy has not yet been developed, the Town is still committed to installing energy measures to improve efficiency of Town buildings. In 2024, a "cool roof" was installed on Town Hall to prevent heat absorption and improve energy efficiency of the building. Photo is shown at the top of this page.



Goal M2

Operate Sustainable Buildings



Strategy M2.2: Obtain 80% of municipal energy from renewable energy sources by 2037

- **Action Step M2.2.1:** Conduct a Solar Feasibility Study to evaluate the potential and practicality of installing solar panels on town-owned buildings, facilities, and other suitable properties.

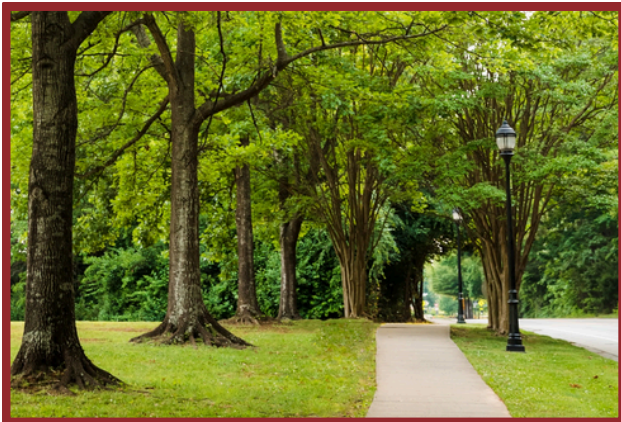
Feasibility studies for three Municipal buildings were conducted in 2023. This included Town Hall and Community Center, Public Safety, and Fire Station 2. No new feasibility studies were conducted in 2024.

IP

- **Action Step M2.2.2:** Implement solar panel installations on town-owned buildings, facilities, and other suitable properties to generate renewable energy.

The Town is currently exploring the option of adding rooftop solar to the Town Hall and Community Center building.

IP



Goal M3

Increase Efficiency in Public Street Lighting



Strategy M3.1: Decrease energy usage in street lighting by 50% by 2037

- **Action Step M3.1.1:** Upgrade all street lights and traffic signals to LED or other more energy-efficient technology.

The conversion of streetlights to LED lighting continued in 2024.

IP



Goal T1

Electrify Transportation



Strategy T1.1: Expand electric vehicle (EV) community-wide infrastructure

Pictured: Park & Plug EV charging station at Davidson Public Safety Building.

→ Action Step T1.1.1: Install 4 new Level 2 (or higher) EV charging stations throughout the town...

No new public charging stations were installed in 2024. One charging station was in progress. The charging station in progress is expected to be complete in early 2025. It will be located at the Davidson Town Hall and Community Center.

IP

Strategy T1.2: Promote community-wide alternative vehicle awareness and adoption

→ Action Step T1.2.1: Facilitate collaborations with EV, hybrid, & other clean fuel vehicle owners and leverage testimonials from residents and government staff who use EVs to promote electric vehicle adoption and awareness...

Town Staff collaborated with community members and dealerships to show their electric vehicles and share information about being an EV owner with the community at two Town events (see photos on next page).

IP

Electric Vehicles (EVs) Showcased at Town Events in 2024

2024	No. of Dealership EVs Showcased	No. of Resident EVs Showcased	No. of Other EVs Showcased*
Earth Day Event	0	1	3
National Night Out	6	1	3

*Other EVs include those showcased by people who reside outside of Davidson as well as businesses who showcased an electric vehicle.



Goal T1

Electrify Transportation

MOMENTS TO HIGHLIGHT

Strategy T1.2: Promote community-wide alternative vehicle awareness and adoption

→ **Action Step T1.2.1:** Facilitate collaborations with EV, hybrid, & other clean fuel vehicle owners and leverage testimonials from residents and government staff who use EVs to promote electric vehicle adoption and awareness...

IP



Earth Day Festival
04.27.2024



National Night Out
EV Village
10.1.2024





Goal T1

Electrify Transportation



Strategy T1.2: Promote Community-wide Alternative Vehicle Awareness and Adoption

→ **Action Step T1.2.2:** Develop and promote a comprehensive information hub that outlines available federal tax credits and local incentives to support potential EV purchasers, incorporating specific incentives designed for disadvantaged groups.

IP

A [Resident Resources page](#) for sustainability resources was developed on the Town website. This is serving as a hub for promoting sustainable programs offered by the Town as well as resources relating to tax credits and incentives. Throughout 2024, the webpage included information about rebates available through the IRS when purchasing an electric vehicle.

Pictured: On Wednesday, July 24, residents were invited to join Mayor Rusty Knox for a ride on the 77x bus into Charlotte followed by coffee and conversation at Waterbean Coffee in Uptown with the Mayor, Charlotte Area Transit System staff (CATS), and Sustain Charlotte staff (see T2.1.2).





Goal T2

Reduce City-Wide Vehicle Miles Traveled

Strategy T2.1: Create a walkable, bikeable, transit-friendly town

- **Action Step T2.1.1:** Fully implement the 2019 Mobility Plan by 2027 and make adjustments as needed using up-to-date data to identify and address barriers to active transportation.

IP

Mobility Plan 2024 Progress

AWAITING ACTION	IN PROGRESS	COMPLETE
29%	53%	17%

A Mobility Plan update is presented to the Board of Commissioners each year. This table provides a summary of the Plan's progress in 2024.

- **Action Step T2.1.2:** Develop regional education and outreach strategies and tools designed to increase demand for and utilization of public transit by increasing ease of public transit options.

IP

Two Rise N' Ride with Rusty events were held to educate Davidson residents on how the bus system works and give them the opportunity to speak directly with the Mayor, Charlotte Area Transit System (CATS) staff, and Sustain Charlotte staff about public transit. Additionally, Town staff attended a number of meetings with external entities regarding public transit access, demand, and utilization. The table below provides an overview of the number of meetings attended. Note, these do not include internal Town staff meetings.

Number of Meetings Town Planning Department Staff Attended in 2024.

Better Bus / Microtransit / Bus Stop Improvements	Redline	CATS Transit System Plan
11	14	1



Goal T2

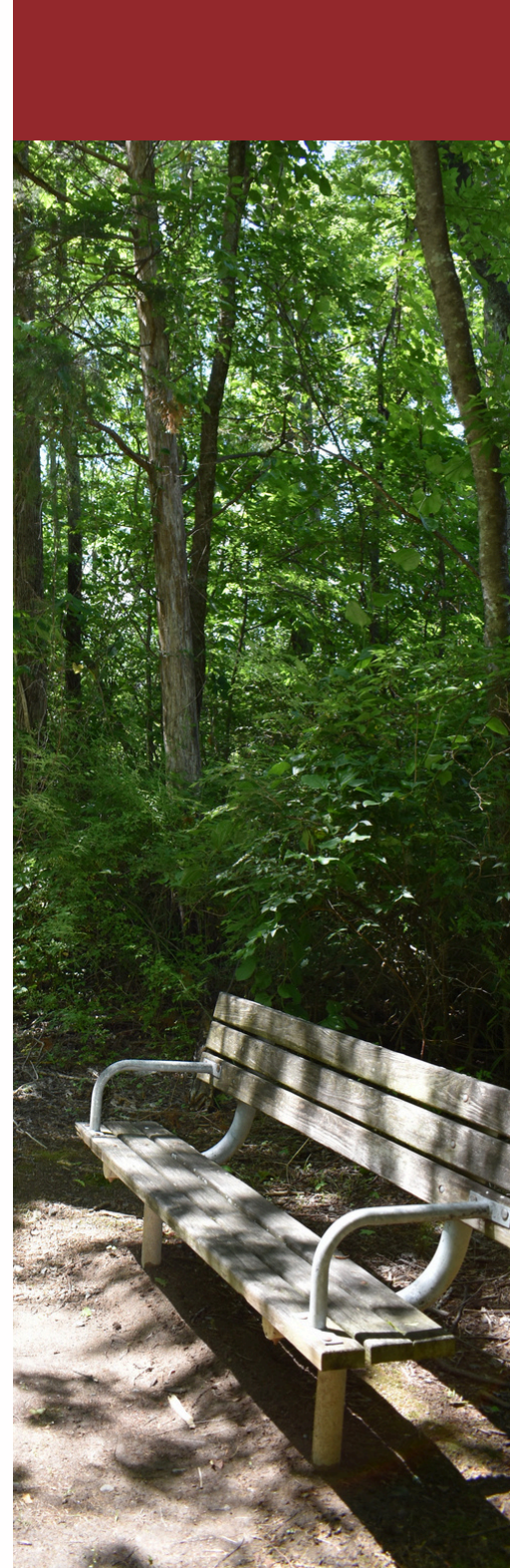
Reduce City-Wide Vehicle Miles Traveled

Strategy T2.1: Create a walkable, bikeable, transit-friendly town

→ **Action Step T2.1.3:** Develop and maintain a network of safe and well-lit pedestrian and bicycle pathways, focusing on tree-lined routes for climate resilience and comfort, in alignment with the 2019 Mobility Plan. Improve infrastructure, such as shade, shelters, restrooms, and seating areas along greenways and other transportation routes to enhance the comfort of pedestrians and cyclists.

IP

2024 Infrastructure Improvements along Greenways and Parks	
Greenways Installed (miles)	0
Shelters Installed (no.)	3
Restrooms Installed (no.)	2
Benches Installed (no.)	10
Picnic Tables Installed (no.)	6
Bike Racks (no.)	1





Goal E1

Increase Renewable Energy Usage



Strategy E1.1: Promote and facilitate commercial & residential renewable energy adoption

- **Action Step E1.1.1:** Advocate for utility policies and monitor utility programs to ensure accountability and fulfillment of their commitments.

Town Staff collaborated with the Southeast Sustainability Directors Network (SSDN) and other North Carolina municipalities to submit a [joint Carbon Plan Integrated Resource Plan \(CPIRP\) comment letter](#) to the North Carolina Utilities Commission.

- **Action Step E1.1.2:** Identify and eliminate barriers to small-scale distributed renewable energy production by exploring programs such as the DOE SolSmart Funding program for streamlined permitting.

A [Solar Panel Permit Guide](#) for Davidson residents interested in going solar was added to the Town sustainability webpage.

IP

IP



Goal E2

Improve Efficiency of New & Existing Buildings



Strategy E2.1: Encourage energy efficiency of residential homes

- **Action Step E2.1.1:** Promote incentives and programs specifically designed for homeowners and renters to improve the energy efficiency of residential properties, including historic buildings.

Energy efficiency resources were shared via the Town website, social media, Department of Parks & Recreation Connection, and at Town events. These resources included information about tax credits and solar programs.

IP



Goal E2

Improve Efficiency of New & Existing Buildings

Strategy E2.2: Encourage energy efficiency in commercial buildings

→ **Action Step E2.2.1:** Promote incentives for businesses, including but not limited to those in historic buildings, to adopt energy-efficient technologies and green building practices...

A resource providing free on-site assessments (energy, water, waste reduction, etc.) for businesses was shared via the Town website throughout 2024.

IP

Strategy E2.3: Ensure new developments meet high energy-efficiency standard

→ **Action Step E2.3.1:** Apply the Utility Service Annexation Criteria (USAC) to direct developers towards energy-efficient building, encouraging electrification, and providing 'make-ready' infrastructure for solar and EV charging capabilities.

The USAC is continuing to be applied to developments through the Planning Department.

IP



Goal E2

Improve Efficiency of New & Existing Buildings



Strategy E2.4: Improve energy efficiency in low-income households

- **Action Step E2.4.1:** Promote programs such as the Weatherization Assistance program to promote access to energy audits, weatherization services for low-income households, and emerging NC Clean Energy Fund low cost financing options, with outreach and support services to guide them through the process of applying for and benefitting from these programs.

IP

Weatherization was added as an accessory service to the [Town's Essential Home Improvement Program](#) and was promoted at community meetings in West Davidson as well as through the Town website, social media, and fliers.

- **Action Step E2.4.2:** Advocate for and support the implementation of policies that protect low-income tenants from the impacts of energy inefficiency, such as high utility bills and poor indoor environmental quality.

IP

In 2024, the Town's Essential Home Improvement Policy was updated to ensure appliances be replaced with Energy Star Certified appliances. Additionally, the Town Board of Commissioner's adopted the [Urgent Home Repair Program](#) which included mold, mildew, and environmental remediation for low-income homeowners.

- **Action Step E2.4.3:** Encourage all new housing units to comply with Enterprise Community Partners Green Communities criteria or other green building program to ensure sustainability practices are considered and incorporated in affordable housing developments.

IP

The Affordable Housing and Equity Department incorporated more sustainable practices within the [Town's Essential Home Improvement Program](#). The Essential Home Improvement Program seeks to proactively invest in homeownership, specifically for low-income individuals and families, while helping to thrive long-term in Davidson. Within this program, the following were implemented to advance sustainability efforts within Affordable Housing: (1) Appliances are being replaced with Energy Star certified appliances; (2) The use of the Enterprise Community Partners Green Communities criteria is being encouraged with Rebuilding Together; (3) Weatherization, energy audits, and sustainability improvements are now included.



Goal R1

Advance Sustainable Waste Management Practices in Davidson

Strategy R1.1: Reduce consumption & solid waste

→ **Action Step R1.1.3:** Continue, expand, and promote the Davidson Composts program with food waste hauler for residential participation...

IP

Number of Households Participating in the Davidson Composts Program by Year

2022 (Sept. - Dec)	2023	2024
160	270	375

→ **Action Step R1.1.4:** Establish and promote commercial services for the Davidson Composts program...

IP

Town staff have been exploring a business composting program. Baseline businesses are already composting on their own; Town Staff will continue exploring a business composting program in the future if additional businesses show interest.

→ **Action Step R1.1.5:** Assess and improve current yard waste management by promoting efficient and sustainable best practices like 'leave the leaves.'

IP

Leave the Leaves initiative kicked off in 2024 with 75 residents participating!



Pictured: Leave the Leaves demonstration site at Town Hall.



Pictured: Sustainability Manager Kayla Kovach explaining the waste audit process to Davidson Green School students.



Goal R1

Advance Sustainable Waste Management Practices in Davidson

Strategy R1.3: Education and community engagement

- **Action Step R1.3.1:** Launch a comprehensive education and outreach campaign with specific goal(s), such as achieving zero waste by 2037...

The Town has multiple programs and initiatives to promote waste reduction and educate the community: The Davidson Composts Program, the Plastic Free Challenge, and Leave the Leaves.



- **Action Step R1.3.2:** Develop waste audit (or waste assessment) education and outreach program targeting community sectors like commercial entities (businesses/restaurants/grocery), schools, multifamily facilities, and residents...

Biannual Downtown Waste Audits kicked off in 2024. In November, Davidson Green School students and community volunteers assisted Town staff with the first biannual waste audit in the downtown Main Street corridor of Davidson. Students and staff found the data collected to be very informative. The most common mistakes found were plastic, coffee, and styrofoam cups being placed in the recycling bins - none of which are recyclable in Mecklenburg County and should be placed in trash receptacles. The goal of these waste audits is to learn what contamination is occurring in the recycling bins and what recyclables are being placed in trash bins. This information helps Town staff to develop better educational tools for the community to improve recycling efforts in Davidson.

IP

IP



Goal G1

Preserve and Strategically Develop Landscapes

Strategy G1.1: Prioritize conservation and sustainable land practices

→ **Action Step G1.1.1:** Assess and prioritize areas for preservation by collaborating with experts...

The Department of Parks & Recreation has on-going, regular meetings with Davidson Lands Conservancy to assess and prioritize areas for preservation.

IP

→ **Action Step G1.1.2:** Explore funding opportunities to support land and wildlife conservation efforts...

The Town received funding from the County to restore Beaty Pond, add fish, and enhance the park - including adding informational signs about the pollinator gardens.

IP

→ **Action Step G1.1.3:** Promote and connect agricultural and open space landowners to incentives and resources for land conservation, carbon sequestration, and soil health...

The Town has been working with the County on farmland preservation initiatives. Efforts are underway with hopes to begin a Voluntary Agricultural District program in Mecklenburg County in mid-2025.

IP



Goal G3

Engage the Community in Green Initiatives

Strategy G3.1: Elevate awareness on green benefits and practices

- **Action Step G3.1.3:** Continue Bee City affiliate status established in 2017 and actively promote the Bee City initiative within the community...



7 years as a Bee City

IP

- **Action Step G3.1.4:** Promote the Davidson Farmers Market's role in promoting locally sourced food and highlight any sustainable practices used to help educate the community.

The Farmer's Market is a producer-only market promoted by the Town via website and social media.

IP

- **Action Step G3.1.6:** Identify, prioritize, and designate park land as a demonstration site for sustainable practices and community engagement.

- ◆ New educational signage was added at the Beaty Park pollinator gardens.
- ◆ Controlled burn and monarch zones established at Fisher Farm Park.
- ◆ Honeybee hives installed at Fisher Farm Park.

IP



Pictured: Honeybee hive installed at Fisher Farm Park in 2024.



Goal G4

Strengthen Ecosystem Health and Green Space Conservation

Strategy G4.1: Reinforce tree canopy management, sustainable landscaping, and land conservation

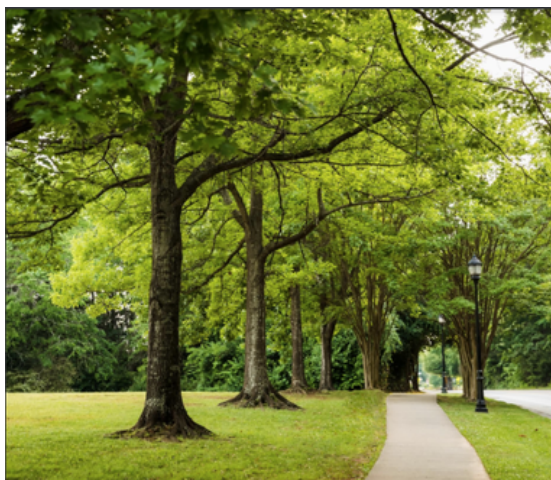
→ **Action Step G4.1.1:** Investigate incentives for encouraging the planting of shade trees and native plants on private property...

IP

In 2024, approximately **860 tree saplings** and **45 native seed packets** were given away to community members at community events to encourage planting of trees and native plants on private property. While some of the tree saplings were purchased by the Town, the majority of the saplings and seed packets were donated for community giveaways.



Pictured: Town Arborist, Andrew Sileo educating community volunteers about how to properly plant a tree.



2024

URBAN COMMUNITY FORESTRY PLAN



Authored by:
Town Arborist, Andrew Sileo

→ **Action Step G4.1.2:** Develop a comprehensive Urban Community Forestry Plan...

C

The Urban Community Forestry Plan (UCFP) was finalized in May 2024, successfully completing CAP Action Step G4.1.2. This Action will be listed as complete, but it will continue as on-going since the UCFP will now be in the implementation phase. The goal of the UCFP is to inform the Town and its residents on the current status of the Town tree canopy and provide guidance to continue improving the tree canopy.



Goal G4

Strengthen Ecosystem Health and Green Space Conservation

Strategy G4.1: Reinforce tree canopy management, sustainable landscaping, and land conservation

→ **Action Step G4.1.3:** Continuously update the Tree Canopy inventory to ensure accurate and current data on Davidson's tree canopy coverage. Develop and promote incentives to maintain and increase tree canopy. Continue Tree City USA affiliate status.

IP

- ◆ The Town Arborist is continuously updating the tree canopy inventory.
- ◆ Tree City USA Growth Award was submitted to the Arbor Day Foundation.
- ◆ 2023 Tree Canopy Enhancement Grant winners conducted their plantings in 2024.

→ **Action Step G4.1.4:** Utilize Town-owned or operated open spaces to demonstrate sustainable landscaping and low-impact design planting strategies, such as planting native trees and plants, community gardens, water management design, and educational natural areas.

IP

- ◆ Approximately 35 trees were planted along the greenway behind the Pump House in collaboration with Davidson Lands Conservancy.
- ◆ The Public Works Department planted approximately 80 street trees in 2024.



Pictured: Tree planted by the Town's Public Works Department in 2024.



Goal C1

Enhance Community Resilience Against Extreme Climate Events



Strategy C1.1: Integrate adaptation into emergency preparedness and response

→ **Action Step C1.1.1:** Establish and equip designated municipal facilities...as climate resilience hubs...

Mecklenburg County operates and maintains these spaces through their Sheltering Plan. The Town of Davidson will continue to share resources and information provided by the county for how people can find and access these facilities.

IP

→ **Action Step C1.1.2:** Launch community awareness campaigns on the dangers of heat-related illnesses and the locations of cooling centers.

Currently, the Town of Davidson shares the information provided by Mecklenburg County Emergency Management. The Town will continue to share the resources provided and will explore developing additional informational campaigns.

IP

→ **Action Step C1.1.3:** Conduct a comprehensive assessment and upgrade of essential infrastructure... to prevent storm-related damage and ensure continuity during emergencies.

This action step has been started through the [Community Risk Assessment Report](#). Options are being explored for development of a Comprehensive Emergency Management Plan for the Town.

IP

→ **Action Step C1.1.4:** Strengthen early warning systems specifically for climate hazards and heat episodes.

Implementation of Atlas One Community Notification System is in process. Additionally, the Town shares Char Meck Alerts sent out by the County via social media.

IP

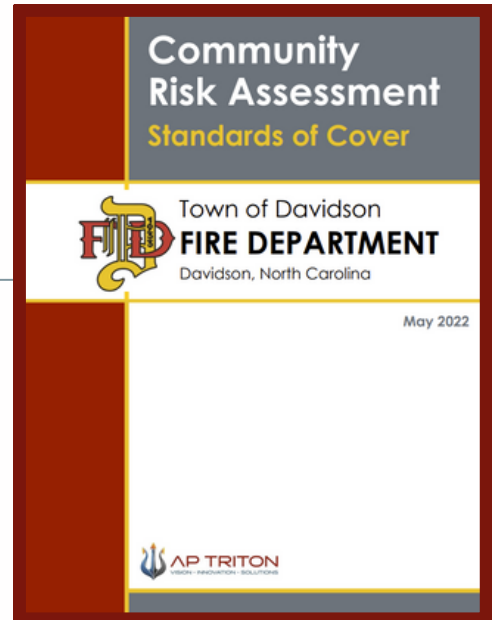


Goal C1

Enhance Community Resilience Against Extreme Climate Events

Strategy C1.2: Understand & reduce physical risk

- **Action Step C1.2.1:** Participate in regional vulnerability assessments, emphasizing comprehensive recovery actions to help offset associated costs.



The Community Risk Assessment Standards of Cover completed by the Fire Department in 2022 addresses vulnerability at a local scale. Additionally, the County Hazard Mitigation Plan is currently being updated and will address regional vulnerability.

Strategy C1.3: Educate and protect residents

- **Action Step C1.3.1:** Establish a centralized communication platform detailing climate-related risks, including wildfire smoke, heat, drought, and flooding.



Implementation of Atlas One Community Notification System in process. Additionally, the Town shares Char Meck Alerts sent out by the County via social media.





Pictured: Community Engagement Electric Truck being showcased to the community at the Davidson Farmers Market.

For More Information



<https://www.townofdavidson.org/Sustainability>



sustainability@townofdavidson.org



704-940-9632

Climate Action Plan

Priorities Table for FY25, 26

Progress updated through end of 2024

Municipal Operations										
Goals	Strategies	Action Steps	Priority Score	Department Contacts	Progress to date	Year 1 & 2 Priority	Estimated Investment	Notes	Sus Com Priorities	LEED for Cities Overlap
Goal M1: Reduce Mobile Source Emissions in Town Operations	Strategy M1.1: Convert 100% of the Town fleet to EVs, hybrids, or use clean fuels by 2037 .	M1.1.1: Develop a Zero-Emission Vehicle (ZEV) Strategy for the Town fleet that evaluates fleet conversion to achieve 72.3% emissions reduction. Strategy may include the following: fleet right-sizing, replacement and/or early retirement schedule, costs and funding opportunities, infrastructure needs, employee work vehicle miles traveled (VMT), idle reduction policy adoption, and opportunities for public-private partnerships.	2	Kayla (Sustainability)	In Progress	Year 1 & 2 Priority	\$26,000	Davidson College Sustainability Scholar (Scholar Program cost: \$500 per year) working on evaluating fleet data and transition strategy during summer internship; if additional assistance from a consultant is required, then the estimated investment cost of \$25,000 would apply.		TR Clean Transportation, Option 1, pg.21
		M1.1.2: Ensure all newly acquired vehicles for town use are either EVs, hybrids, or use clean fuels in line with ZEV Strategy. Establish annual targets to transition fleet to achieve 100% EVs, hybrids, or clean fuels by 2037 target.		Chris (Finance) Kayla (Sustainability)	In Progress	Year 1 & 2 Priority	\$180,000	General estimate for a few lower emission vehicle purchases; interdepartmental replacement funds. IRA rebates exist for electric vehicles (approx. \$7,500/vehicle). Annual targets are being developed.		TR Clean Transportation, Option 1, pg.21
	Strategy M1.2: Reduce emissions from Employee Commuting by 30% by 2037	M1.2.1: Evaluate and monitor emissions from employee commute VMT. Develop and implement telecommuting policies for eligible municipal employees to reduce daily commutes. Develop annual targets, education, and awareness campaign(s) to increase adoption of commute alternatives, idle reduction behaviors, car share, and clean fuel vehicles including, but not limited to, EVs and hybrids (T2.2).	1	Kayla (Sustainability)	In Progress			Work from home policy implemented and on-going.		TR Mobility Management, Option 1, pg. 22
		M1.2.2: Offer incentives to municipal employees for commuting via walking, public transit, carpooling, or bicycling, promoting alternatives to solo driving.		Jamie/Austin (Manager) Kayla (Sustainability)	Not started					TR Mobility Management, Option 1, pg. 22
		M1.2.3: Develop incentives for employees to adopt electric vehicles or hybrids, potentially matching federal tax credits.		Jamie/Austin (Manager) Kayla (Sustainability)	Not started					Innovation, Option 1, pg. 58
	Strategy M1.3: Reduce off-road emissions in Town Operations by 100% by 2037	M1.3.1: Replace gasoline or diesel-powered Town tools and machinery with electric or battery-powered alternatives by 100% by 2037.	3	Jesse (Public Works)	In Progress	Year 1 & 2 Priority	\$10,000	If funding becomes available or equipment needs to be replaced.		QL Public Health, Option 3, pg 55; Innovation, Option 1, pg. 58
		M1.3.2: Consider requiring the use of electric or battery-powered equipment by contractors for Town contracts.		Jesse (Public Works)	Not started					QL Public Health, Option 3, pg 55; Innovation, Option 1, pg. 58
Goal M2: Operate Sustainable Buildings	Strategy M2.1: Reduce Municipal Building Energy Use by 75% by 2037 .	M2.1.1: Conduct an energy audit on town buildings to identify savings opportunities and commit to implementing the highest-impact measures in the earliest feasible budget cycle. Formulate a detailed Energy Action Strategy outlining the steps, timeline, and methodology for implementation to ensure prompt action and accountability (May be combined with solar feasibility study (M2.2.1)).	2	Kayla (Sustainability) Jesse (Public Works)	In Progress	Year 1 & 2 Priority	\$14,000	Energy audits for four buildings (YEAR 1: Fire Station 2 & Town Hall; YEAR 2: Public Safety and Public Works, potentially). Valued at \$14,000 (\$3,500 per building). Energy assessments are provided by Waste Reduction Partners at no cost.		EN Energy Efficiency, Option 1, pg. 34
		M2.1.2: Subscribe to and participate in a building performance-tracking platform for all municipal buildings to increase automation, smart controls, and real time adjustments (E2.2.3). Monitor through real-time, monthly/periodic data reports from the platform, and/or conducting annual assessments to ensure continuous data oversight to allow timely implementation of building improvements.		Kayla (Sustainability)	Completed	Year 1 & 2 Priority	\$15,000 per year	Building performance-tracking platform. Annual cost.		EN Energy Efficiency, Option 1, pg. 34
		M2.1.3: Install energy measures as outlined in the Energy Action Strategy (M2.1.1).		Jesse (Public Works)	In Progress	Year 1 & 2 Priority	\$30,000	Estimate for installing energy measures within Town facilities as they are identified. Energy Action Strategy is yet to be developed, however, energy efficiency measures are continuing to be installed as funding is available (i.e. Town Hall cool roof).		EN Energy Efficiency, Option 5, pg. 36
	Strategy M2.2: Obtain 80% of Municipal Energy from Renewable Energy Sources by 2037	M2.2.1: Conduct a Solar Feasibility Study to evaluate the potential and practicality of installing solar panels on town-owned buildings, facilities, and other suitable properties (may be combined with community study E1.1.4).	3	Kayla (Sustainability)	In Progress			Solar feasibility site evaluations conducted for 3 Town buildings in 2023 (Fire 2, Town Hall, Public Safety).		EN Renewable Energy, Option 1, pg. 37
		M2.2.2: Implement solar panel installations on town-owned buildings, facilities, and other suitable properties to generate renewable energy.		Kayla (Sustainability)	In Progress	Year 1 & 2 Priority	\$300,000	ARPA funds allocated.		EN Renewable Energy, pg. 37
		M2.2.3: Integrate battery storage solutions with energy installations to store excess energy generated into town operations and support greater resiliency.		Kayla (Sustainability)	Not started					EN Prerequisite: Power Access, Reliability, and Resilience, pg 31
	Strategy M3.1: Decrease Energy Usage in Street Lighting by 50% by 2037	M3.1.1: Upgrade all street lights and traffic signals to LED or other more energy-efficient technology.	3	Jesse (Public Works)	In Progress	Year 1 & 2 Priority	\$50,000 per year	CIP Funds allocated FY25, FY26, FY27.		EN Energy Efficiency, Option 2, pg. 35
		M3.1.2: Implement smart lighting systems in appropriate areas that adjust brightness based on traffic and pedestrian patterns to optimize energy use, consistent with LEED for Cities.		Doug (Projects) Jesse (Public Works) Jason (Planning)	Not started					NS Light Pollution Reduction, pg. 12; EN Energy Efficiency, Option 2, pg. 35

Municipal Operations										
Goals	Strategies	Action Steps	Priority Score	Department Contacts	Progress to date	Year 1 & 2 Priority	Estimated Investment	Notes	Sus Com Priorities	LEED for Cities Overlap
		M3.1.3: Encourage the use of solar-powered lighting in appropriate areas to further reduce energy consumption.		Jason (Planning) Jesse (Public Works) Doug (Projects)	Not started					EN Renewable Energy, pg. 37; Innovation, pg. 58
Goal M4: Reduce Solid Waste in Town Operations	Strategy M4.1: Reduce Waste to Landfill by 75% by 2037 in Municipal Operations	M4.1.1: Conduct a Waste Characterization Study specifically for municipal operations and establish diversion rate targets. Following this, implement a tracking system to monitor and manage waste diversion effectively.	2	Charlene (DPR) Kayla (Sustainability)	Not started	Year 1 & 2 Priority	No cost associated at this time	No cost associated at this time; this will start with an internal waste characterization study conducted by Town Staff.		MR Material Recovery, pg. 45
		M4.1.2: Promote the phasing out of non-recyclables, non-biodegradable materials, and single-use plastics in all municipal activities and building operations. This initiative should also apply to any contractors and be included in new contractual agreements.		Charlene (DPR) Kayla (Sustainability)	Not started	Year 1 & 2 Priority	No cost associated at this time	No cost associated at this time; this will start with review of purchasing processes and internally update them to advance this action item.		MR Responsible Procurement, option 1 pg. 44
		M4.1.3: Develop a comprehensive municipal Zero Waste Strategy for recycling, organics, and special wastes (C&D, Universal Waste, E-waste, Hazardous Materials, difficult to recycle materials, etc.). Include management strategies tailored for different municipal departments such as firefighting, public works, parks and recreation, and town hall administration, to increase diversion across all areas of municipal operations. Include management strategies tailored for different municipal departments such as firefighting, public works, parks and recreation, and town hall administration to increase diversion across all areas of municipal operations. This initiative should also apply to any contractors (including but not limited to janitorial agreements) and be included in new contractual agreements. (Combine with community plan R1.1.1)		Charlene (DPR) Kayla (Sustainability)	Not started					MR Special Waste Streams Management, pg. 43
Goal M5: Demonstrate Leadership in Sustainable Operations	Strategy M5.1: Adopt Municipal Policies and Procedures by 2030 to Encourage and Accelerate Strategy Adoption	M5.1.1: Establish a green building policy for all municipal construction and renovations, setting a standard for sustainable development within the community.	2	Kayla (Sustainability) Doug (Projects)	Not started	Year 1 & 2 Priority	\$5,000	Estimated cost to work with a consultant to create the policy.		IP Green Building Policy and Incentives, pg. 8
		M5.1.2: Develop and Implement an Environmentally Preferable Purchasing Policy (EPPP) for municipal operations to maximize source reduction, consider life-cycle impact, prioritize energy-efficient equipment in town facilities (consistent with Davidson's Energy Action Strategy M2.1), and reduce mobile source emissions from vehicles and off-road tools, machinery, and equipment (M1.1, M1.3).		Kayla (Sustainability)	Not started	Year 1 & 2 Priority	\$10,000	Estimated cost to work with a consultant to create the policy.		MR Responsible Procurement, pg 44
		M5.1.3: Develop sustainable special event and meeting protocols for all town-sponsored or town-permitted events, or those held on town properties, facilities, or open spaces.		Kayla (Sustainability)	Not started	Year 1 & 2 Priority	No cost associated at this time	No cost associated at this time; this will start with review of current event protocols and internally update to advance this action item. Sustainable event protocols expected to be developed internally.		Innovation, pg 58
		M5.1.4: Evaluate additional policy options including but not limited to: zoning adjustments to support smart growth, recycling/composting/waste equal space, etc.; permitting requirements, fee structures or incentives to increase EV readiness, renewables installation, energy efficiency adoption, historic building preservation, stormwater capture and management, etc.; establishment of dedicated annual climate capital fund allocations; etc.		Kayla (Sustainability) Jason & Trey (Planning)	Not started					TR Mixed-Use and Transit-Oriented Development, pg 17; Priority Sites, pg 24; EN Section; MR Section; NS section

Transportation & Mobility										
Goals	Strategies	Action Steps	Priority Score	Department Contacts	Progress to date	Year 1 & 2 Priority	Estimated Investment	Notes	Sus Com Priorities	LEED for Cities Overlap
Goal T1: Electrify Transportation	Strategy T1.1: Expand Electric Vehicle (EV) Community-wide Infrastructure	T1.1.1: Install 4 new Level 2(or higher) EV charging stations throughout the town, prioritizing areas that have faced disinvestment and ensuring equitable access, and actively pursue grant funding to support the installation and maintenance of these stations.	2	Kayla (Sustainability)	In Progress	Year 1 & 2 Priority	\$25,000 per year	CIP funds for EV charging stations and other sustainable infrastructure FY25-29; pursuing opportunities to install charging stations through other potential funding opportunities.		TR Clean Transportation pg. 21
		T1.1.2: Create a guide for local businesses and residents on setting up EV charging stations on their properties including information on various types of chargers, electrical requirements, and the installation procedure for EV chargers.		Kayla (Sustainability), Jason (Planning)	Not started					Innovation, pg. 58
		T1.1.3: Promote the integration of EV charging infrastructure in new developments by encouraging pre-wiring for both residential and governmental fleet EV charging, including provisions for at-home and in-building installations.		Jason (Planning)	Not started					TR Clean Transportation, Option 1, pg. 21
	Strategy T1.2: Promote Community-wide Alternative Vehicle Awareness and Adoption	T1.2.1: Facilitate collaborations with EV, hybrid, & other clean fuel vehicle owners and leverage testimonials from residents and government staff who use EVs to promote electric vehicle adoption and awareness. Engage with dealerships beyond municipal boundaries for demonstration events and to inform the community about available EV options and incentives.	1	Leslie & Charlene (DPR)	In Progress			Town collaborates with EV owners who bring their EVs to Earth Day Event to share their electric vehicle experience with others.		Innovation, pg 58
		T1.2.2: Develop and promote a comprehensive information hub that outlines available federal tax credits and local incentives to support potential EV purchasers, incorporating specific incentives designed for disadvantaged groups.		Kayla (Sustainability)	In Progress			Working on developing an information hub on the Town website.		Innovation, pg 58
Goal T2: Reduce City-Wide Vehicle Miles Traveled	Strategy T2.1: Create a Walkable, Bikeable, and Transit-Friendly Town	T2.1.1: Fully implement the 2019 Mobility Plan by 2027 and make adjustments as needed using up-to-date data to identify and address barriers to active transportation.	2	Andrew G. (Planning)	In Progress			Mobility Plan implementation on-going.		TR Safe, Multimodal Accessibility, Option 1, pg. 19
		T2.1.2: Develop regional education and outreach strategies and tools designed to increase demand for and utilization of public transit by increasing ease of public transit options.		Andrew G. (Planning) Kayla (Sustainability) Charlene (DPR)	In Progress					TR Mobility Management Option 1, pg. 22; TR Safe, Multimodal Accessibility, Option 1, pg. 19
		T2.1.3: Develop and maintain a network of safe and well-lit pedestrian and bicycle pathways, focusing on tree-lined routes for climate resilience and comfort, in alignment with the 2019 Mobility Plan. Improve infrastructure, such as shade, shelters, restrooms, and seating areas along greenways and other transportation routes to enhance the comfort of pedestrians and cyclists.		Leslie (DPR) Andrew G. (Planning)	In Progress			Mobility Plan implementation on-going. Infrastructure improvements on-going.		TR Safe, Multimodal Accessibility, Option 2, pg. 19
		T2.1.4: Review current parking policies to reduce car reliance, such as adjusting parking minimums and promoting shared parking, alongside exploring paid parking strategies in alignment with the mobility plan.		Andrew G. (Planning) Kim (Ec Dev)	Not started					TR Mobility Management, Option 2; pg. 22
		T2.1.5: Explore the feasibility of shared micro-mobility program such as e-bike, bicycles, or electric scooters, focusing on strategic station placement, user safety, ease of use, and cost-effectiveness.		Andrew G. (Planning)	Not started					TR Transportation and Land Use, pg. 15
	Strategy T2.2: Encourage Alternate Commuting Practices in the Community	T2.2.1: Develop commuter incentive programs in partnership with businesses to create trip reduction outreach programs and offer alternative transportation incentives for business employees.	2	Charlene (DPR)	Not started					TR Mobility Management, option 1, pg. 22.
		T2.2.2: Encourage carpooling by exploring partnerships with existing vanpool programs, providing preferential parking for carpoolers. Collaborate with large employers and commercial regions to incentivize participation in strategic locations where commute volume is highest.		Charlene (DPR) Kim (Ec Dev)	Not started					TR Mobility Management, option 1, pg. 22.
		T2.2.3: Initiate an idle reduction campaign focused on government buildings, schools, and transit points to raise community awareness about the environmental and health consequences of vehicle idling.		Charlene (DPR) Kayla (Sustainability)	Not started	Year 1 & 2 Priority	\$12,500	Campaign development; promotional materials; signage; etc.		QL Public Health, Option 3, pg. 55

Buildings & Energy

Goals	Strategies	Action Steps	Priority Score	Department Contacts	Progress to date	Year 1 & 2 Priority	Estimated Investment	Notes	Sus Com Priorities	LEED for Cities Overlap
Goal E1: Increase Renewable Energy Usage	Strategy E1.1 Promote and Facilitate Commercial & Residential Renewable Energy Adoption	E1.1.1: Advocate for utility policies and monitor utility programs to ensure accountability and fulfillment of their commitments.	1	Kayla (Sustainability)	In Progress			CPIRP joint comment letter submitted May 24, 2024		EN Renewable Energy, Option 2, pg. 37
		E1.1.2: Identify and eliminate barriers to small-scale distributed renewable energy production by exploring programs such as the DOE SolSmart Funding program for streamlined permitting.		Kayla (Sustainability)	In Progress					EN Renewable Energy, Option 3, pg. 37
		E1.1.3: Develop and promote initiatives that encourage renewable energy adoption among residents and businesses, such as group purchasing programs similar to Solarize The Triangle.		Kayla (Sustainability) Charlene (DPR)	Not started	Year 1 & 2 Priority	\$1,000	Actively working towards participation in a solar group purchasing program that would give Davidson community members opportunity to take advantage of solar installation at a lower rate.		EN Renewable Energy, Option 3, pg. 38
		E1.1.4: Conduct Feasibility Studies for Community Solar to assess the viability, potential locations, and scale of community solar projects within the town. (May be combined with M2.2.1)		Kayla (Sustainability)	Not started					EN Prerequisite: Power Access Reliability and Resiliency, pg. 31; EN Renewable Energy, Option 1, pg. 37
		E1.1.5: Develop targets for residential and/or commercial solar energy systems adoption (e.g., achieve 20% adoption in 5 years, achieve 80% renewable energy generation by 2050). Include specific targets, incentives, and resources for low-income communities, renters, and multifamily housing to address social equity and increase access especially for disadvantaged populations.		Kayla (Sustainability)	Not started					EN Renewable Energy, Option 2, pg. 37
Goal E2: Improve Efficiency of New & Existing Buildings	Strategy E2.1 Encourage Energy Efficiency of Residential Homes	E2.1.1: Promote incentives and programs specifically designed for homeowners and renters to improve the energy efficiency of residential properties, including historic buildings. Highlight initiatives like Duke Energy's On-bill financing and the Inflation Reduction Act (IRA) tax credits, which can significantly reduce the cost of energy-efficient upgrades in homes.	1	Kayla (Sustainability) Charlene (DPR)	In Progress	Year 1 & 2 Priority	No cost associated at this time	Starting off with promoting on website, in DPR Connection, and through QR codes at Town Events; will also work to incorporate promotion through building permit process.		EN Energy Efficiency, Option 5, pg. 36.
		E2.1.2: Increase home energy audits by promoting training programs to enhance the local workforce of certified energy auditors and installers in addition to promoting utility-provided audit services.		Kayla (Sustainability)	Not started					EN Energy Efficiency, Option 5, pg. 36
	Strategy E2.2 Encourage Energy Efficiency in Commercial Buildings	E2.2.1: Promote incentives for businesses, including but not limited to those in historic buildings, to adopt energy-efficient technologies and green building practices. Examples include tax rebates for retrofitting facilities with LED lighting or high-efficiency HVAC systems, and grants for achieving LEED certification. Highlight the long-term cost savings and environmental benefits to motivate business participation.	2	Kim (Ec Dev) Kayla (Sustainability)	In Progress			Starting off with promoting on website; will also work to incorporate promotion through permitting processes and more.		EN Energy Efficiency, Option 5, pg. 36; IP Green Building Policy, Option 2, pg. 8
		E2.2.2: Specifically target small and medium-sized businesses with energy retrofit and rebate opportunities, including those in historic buildings.		Kim (Ec Dev) Kayla (Sustainability)	Not started					Innovation, pg. 58
		E2.2.3: Offer subsidies for local institutions (schools, churches, businesses, historic buildings, etc.) to join the building performance-tracking municipal buildings initiative to foster a collaborative effort towards a town-wide energy management program (M2.1.3).		Kayla (Sustainability)	Not started					Innovation, pg. 58
	Strategy E2.3 Ensure New Developments Meet High Energy-efficiency Standard	E2.3.1: Apply the Utility Service Annexation Criteria (USAC) to direct developers towards energy-efficient building, encouraging electrification, and providing 'make-ready' infrastructure for solar and EV charging capabilities.	2	Trey (Planning)	In Progress			Planning Dept. has USAC process in-progress.		IP Green Building Policy and Incentives, Option 2, pg. 8
		E2.3.2: Provide resources, tools, and checklists to builders and developers to achieve green certifications.		Trey (Planning)	Not started					IP Green Building Policy and Incentives, Option 2, pg. 8; EN Energy Efficiency, Option 5, pg. 36;
	Strategy E2.4: Improve Energy Efficiency in Low-income Households	E2.4.1: Promote programs such as the Weatherization Assistance Program to promote access to energy audits, weatherization services for low-income households, and emerging NC Clean Energy Fund low cost financing options, with outreach and support services to guide them through the process of applying for and benefiting from these programs.	1	Alexander (AH) Jason (Planning) Kayla (Sustainability)	In Progress	Year 1 & 2 Priority	\$5,000	This will start with internal discussions on how best to conduct this action item (cost est. for promotional materials, e.g. letters to homeowners, etc.). May incorporate into permitting processes.		EN Energy Efficiency, Option 5, pg. 36
		E2.4.2: Advocate for and support the implementation of policies that protect low-income tenants from the impacts of energy inefficiency, such as high utility bills and poor indoor environmental quality.		Alexander (AH) Kayla (Sustainability)	In Progress					EN Energy Efficiency, Option 5, pg. 36
		E2.4.3: Encourage all new housing units to comply with Enterprise Community Partners Green Communities criteria or other green building program to ensure sustainability practices are considered and incorporated in affordable housing developments.		Alexander (AH) Jason (Planning) Kayla (Sustainability)	In Progress	Year 1 & 2 Priority	No cost associated at this time	Reviewing the criteria and determining best process for incorporating sustainability considerations into affordable housing.		IP Green Building Policy and Incentives, Option 2, pg. 8

Resource Conservation

Goals	Strategies	Action Steps	Priority Score	Department Contacts	Progress to date	Year 1 & 2 Priority	Estimated Investment	Notes	Sus Com Priorities	LEED for Cities Overlap
Goal R1: Advance Sustainable Waste Management Practices in Davidson	Strategy R1.1: Reduce Consumption & Solid Waste	R1.1.1: Adopt a Zero-Waste Goal and create a Solid Waste Management Plan or Waste Reduction Plan to achieve diversion targets for all waste streams (may be combined with R1.1.2 Study). Expand or enhance service agreements to include minimum diversion targets for franchised waste haulers for residents, businesses, and multifamily facilities within the Town.	3	Charlene (DPR)	Not started					MR Solid Waste Management Prerequisite, pg. 41
		R1.1.2: Conduct Davidson specific or collaborate with County to conduct an updated regional Waste Characterization Study to guide diversion programming and focus areas (may be combined with R1.1.1 Plan).		Kayla (Sustainability)	Not started					MR Waste Performance Prerequisite, pg. 42, MR Special Waste Stream Management, pg. 43
		R1.1.3: Continue, expand, and promote the Davidson Composts program with food waste hauler for residential participation (Pilot initiated 2023, continued for 2023/24), while also promoting backyard composting as an alternative practice, tracking participation through frequent community surveys.		Charlene (DPR)	In Progress			On-going program (\$16k per year)		MR Special Waste Stream Management, pg. 43
		R1.1.4: Establish and promote commercial services for the Davidson Composts program with food waste hauler (currently unavailable as a free service; businesses, schools, and nonprofits organizations can contract directly with Crown Town Compost; promote these services in absence of Town program).		Charlene (DPR) Kim (Ec Dev)	In Progress	Year 1 & 2 Priority	\$10,000	Promotion of services; potential business pilot program.		MR Special Waste Stream Management, pg. 43
		R1.1.5: Assess and improve current yard waste management by promoting efficient and sustainable best practices like 'leave the leaves'.		Charlene (DPR) Kayla (Sustainability)	In Progress	Year 1 & 2 Priority	\$8,000	Voluntary leave the leaves campaign.		MR Special Waste Stream Management, pg. 43;
		R1.1.6: Leverage grants, such as those from NCDEQ, to fund and incentivize programs like food waste collection, encouraging businesses and multifamily residences to implement new and sustainable waste management practices.		Charlene (DPR) Kayla (Sustainability)	Not started					MR Solid Waste Management Prerequisite, pg. 41, MR Special Waste Stream Management, pg. 43
	Strategy R1.2: Promote Reduction in Water Usage and Wastewater Management	R1.2.1: Develop and promote standard operating procedures for water-efficient fixtures and equipment in all building types and landscapes, in collaboration with Charlotte Water.	3	Doug (Projects) Jesse (Public Works) Kayla (Sustainability)	Not started					WE Smart Water Systems, Option 1, pg. 30
		R1.2.2: Explore the implementation of cistern systems for commercial buildings to utilize rainwater for irrigation and vehicle washing, in collaboration with Charlotte Water.		Doug (Projects) Jesse (Public Works) Kayla (Sustainability)	Not started					WE Stormwater Management, Option 2, pg. 29; Innovation, pg. 58
	Strategy R1.3: Education and Community Engagement	R1.3.1: Launch a comprehensive education and outreach campaign with specific goal(s), such as achieving zero waste by 2037 (may be combined with R1.1.1 Plan). This could encompass organizing informative visits to waste centers and introducing programs that elucidate the complexities of recycling	2	Charlene (DPR) Kayla (Sustainability)	In Progress	Year 1 & 2 Priority	\$23,000	Awarded \$15k state recycling grant with \$3k Town match. Additional \$5k for Plastic Free Challenge.		MR Material Recovery, Option 1, pg. 45; Innovation, pg. 58.
		R1.3.2: Develop a waste audit (or waste assessment) education and outreach program targeting community sectors like commercial entities (businesses/restaurants/grocery), schools, multifamily facilities, and residents. Set an annual target for completed assessments and distribution of incentives, tools, and/or support materials.		Charlene (DPR)	In Progress					MR Material Recovery, Option 2, pg. 45; Innovation, pg. 58.
		R1.3.3: Continue providing community workshops on backyard composting and food management techniques (food purchasing, preservation, cooking, canning, storage, and edible food donation).		Charlene (DPR)	Not started					QL Public Health, Option 2, pg. 54; MR Special Waste Streams Management, pg. 43
		R1.3.4: Develop a circular economy education program to promote opportunities for residents and businesses to increase source reduction through reuse, recycled content procurement, donation, and other programs. Develop recycled market development incentives for local businesses working to utilize recycled content in new product development or remanufacturing, or other mechanisms for utilization of traditional 'waste' as a resource.		Charlene (DPR) Kim (Ec Dev)	Not started					MR Responsible Procurement, pg. 44; MR Material Recovery, pg. 45

Green Community										
Goals	Strategies	Action Steps	Priority Score	Department Contacts	Progress to date	Year 1 & 2 Priority	Estimated Investment	Notes	Sus Com Priorities	LEED for Cities Overlap
Goal G1: Preserve and Strategically Develop Landscapes	Strategy G1.1: Prioritize Conservation and Sustainable Land Practices	G1.1.1 Assess and prioritize areas for preservation by collaborating with experts such as The Green Infrastructure Center and Davidson Lands Conservancy, ensuring land with significant conservation value is protected. Evaluate the 2008 Green Print Plan and update as appropriate.	3	Leslie & Charlene (DPR)	In Progress	Year 1 & 2 Priority	No cost associated at this time	Goal G1 will be largely consist of exploring opportunities and collaborating with others to identify future opportunities and resources in Years 1 & 2.		NS Natural Resource Conservation and Restoration, pg. 11
		Leslie & Charlene (DPR)		In Progress	Year 1 & 2 Priority	No cost associated at this time	Goal G1 will be largely consist of exploring opportunities and collaborating with others to identify future opportunities and resources in Years 1 & 2.		NS Green Spaces, pg.10; NS Natural Resource Conservation and Restoration, pg. 11	
		Leslie & Charlene (DPR)		In Progress	Year 1 & 2 Priority	No cost associated at this time	Goal G1 will be largely consist of exploring opportunities and collaborating with others to identify future opportunities and resources in Years 1 & 2.		NS Green Spaces, pg.10; NS Natural Resource Conservation and Restoration, pg. 11	
Goal G2: Strengthen Green Infrastructure and Stormwater Management	Strategy G2.1: Enhance Stormwater Management	G2.1.1 Assess and modify the town's stormwater management infrastructure to integrate rainwater capture and distributed treatment best management practices, emphasizing low impact development measures and permaculture design principles at the municipal and community level. This approach would involve implementing numerous smaller-scale BMPs, such as rain gardens, green roofs, permeable pavements, and bioswales, rather than relying solely on larger retention ponds. Ensure that these modifications align with Mecklenburg County stormwater guidelines and comply with state regulations.	3	Doug (Projects) Jesse (PW)	Not started					WE Stormwater Management, Option 2, pg. 29
		Leslie & Charlene (DPR) Kayla (Sustainability)		Not started					WE Stormwater Management, pg. 29; Innovation, pg. 58	
Goal G3: Engage the Community in Green Initiatives	Strategy G3.1: Elevate Awareness on Green Benefits and Practices	G3.1.1: Launch a comprehensive Green Business Program that includes creating and maintaining a green business database, providing a curated catalog of sustainability resources, to encourage and showcase measurable environmental improvements across all businesses, with special town promotion for actively participating companies.	3	Kim (Ec Dev) Kayla (Sustainability)	Not started					Innovation, pg. 58
		G3.1.2: Explore initiatives to integrate affordable housing solutions within green benefits and practices awareness campaigns. Incorporate and promote equity and inclusion as a central theme throughout CAP program design and implementation.		Alexander (AH) Kayla (Sustainability)	Not started	Year 1 & 2 Priority	No cost associated at this time	Exploration phase to begin looking at what opportunities may exist.		QL Environmental Justice, pg. 52; QL Housing and Transportation Affordability, pg. 53; EN Energy Efficiency Option 5, section 5, pg. 37.
		G3.1.3: Continue BeeCity affiliate status established in 2017 and actively promote the BeeCity initiative within the community to raise awareness of pollinator-friendly practices and their significance in environmental sustainability. Lead by example by expanding the presence of pollinator gardens throughout the Town wherever feasible.		Leslie & Charlene (DPR) Andrew (Arborist)	In Progress	Year 1 & 2 Priority	\$5,000	Addition of bee hive at Fisher Farm: Annual maintenance: \$2,200 Setup/install one-time fee: \$500 Meet the Bees workshops: \$600 each (assume 2) Educational materials: \$1,100 assumed		Innovation, pg. 58
		G3.1.4: Promote the Davidson Farmers Market's role in promoting locally sourced food and highlight any sustainable practices used to help educate the community.		Kim (Ec Dev) Leslie & Charlene (DPR)	In Progress					Innovation, pg. 58
		G3.1.5: Launch a program for the installation of green roofs, rain gardens, and private property tree planting, funded by stormwater impact fees, drawing on successful models from Washington D.C., Raleigh, and Montgomery County, MD.		Leslie & Charlene (DPR) Andrew (Arborist) Kayla (Sustainability)	Not started					Innovation, pg. 58
		G3.1.6: Identify, prioritize, and designate park land as a demonstration site for sustainable practices and community engagement.		Leslie & Charlene (DPR)	In Progress					Innovation, pg. 58
Goal G4: Strengthen Ecosystem Health and Green Space Conservation	Strategy G4.1: Reinforce Tree Canopy Management, Sustainable Landscaping, and Land Conservation	G4.1.1: Investigate incentives for encouraging the planting of shade trees and native plants on private property, drawing inspiration from models like the Casey Trees (DC) program and the Cherry Blossom Festival sponsored tree initiative on private land.	2	Andrew S. (Arborist)	In Progress	Year 1 & 2 Priority	\$3,500	Cost for providing trees to residents. Expect a large portion of trees to be donated as previous years.		NS Green Spaces, pg. 10; Innovation, pg. 58
		Andrew S. (Arborist)		Completed	Year 1 & 2 Priority	No cost associated at this time	Developed internally; reporting done internally.		NS Green Spaces, pg. 10, Option 2	
		Andrew S. (Arborist)		In Progress			TreeCity USA on-going; Street Tree Inventory on-going; Full Davidson tree inventory completed every 5 years and is not due to be completed at this time; Canopy grant on-going.		NS Green Spaces, pg. 10, Option 2	
		Leslie (DPR) Andrew S. (Arborist)		In Progress					Innovation, pg. 58	

Climate Resilience

Goals	Strategies	Action Steps	Priority Score	Department Contacts	Progress to date	Year 1 & 2 Priority	Estimated Investment	Notes	Sus Com Priorities	LEED for Cities Overlap
Goal C1: Enhance Community Resilience Against Extreme Climate Events	Strategy C1.1: Integrate Adaptation into Emergency Preparedness and Response	C1.1.1: Establish and equip designated municipal facilities - like the police department, fire department, library, and town hall - as climate resilience hubs, providing safe spaces during extreme weather events.	3	Ryan (Fire) Kayla (Sustainability)	In Progress					NS Resilience Planning, pg. 13-14
		C1.1.2: Launch community awareness campaigns on the dangers of heat-related illnesses and the locations of cooling centers.		Jessica (Communications) Kayla (Sustainability)	In Progress					NS Resilience Planning, pg. 13-14
		C1.1.3: Conduct a comprehensive assessment and upgrade of essential infrastructure—including electrical grids, water supply systems, and communication networks—to prevent storm-related damage and ensure continuity during emergencies.		Ryan (Fire) Kayla (Sustainability)	In Progress					NS Resilience Planning, pg. 13-14
		C1.1.4: Strengthen early warning systems specifically for climate hazards and heat episodes.		Jessica (Communications) Ryan (Fire)	In Progress	Year 1 & 2 Priority	See C1.3.1	CharMeck Alerts notification system - Davidson Communications Dept. promotes and shares this system via social media; alerts will be strengthened with new notification system, Atlas 1, coming soon.		NS Resilience Planning, pg. 13-14
	Strategy C1.2: Understand & Reduce Physical Risk	C1.2.1: Participate in regional vulnerability assessments, emphasizing comprehensive recovery actions to help offset associated costs.	3	Ryan (Fire)	In Progress			Community Risk Assessment Standards of Cover completed by Fire Dept. in 2022; will also be addressed with current update of County Hazard Mitigation Plan.		NS Resilience Planning, pg. 13-14
		C1.2.2: Establish a town-level vulnerability assessment team, tasked with creating an energy assurance plan to evaluate energy infrastructure, emergency management protocols, and critical infrastructure resilience, ensuring the town's adaptability to emerging climate challenges, in coordination with regional partners.		Ryan (Fire)	Not started	Year 1 & 2 Priority	\$60,000	Town-wide emergency operations plan and continuity of operations.		NS Resilience Planning, pg. 13-14
		C1.2.3: Prioritize green infrastructure such as permeable surfaces and cool surfaces in new developments to reduce the heat island effect and manage stormwater.		Jason (Planning)	Not started					WE Stormwater Management, pg. 29
		C1.2.4: Integrate resilience measures in future housing developments, especially in affordable housing projects, in alignment with the 2009 Energy Plan.		Alexander (AH) Ryan (Fire) Kayla (Sustainability)	Not started					NS Resilience Planning, pg. 13-14
		C1.2.5: Explore the feasibility of community microgrids in collaboration with local colleges as part of a local and regional resilience strategy.		Kayla (Sustainability)	Not started					EN Prerequisite: Power Access, Reliability, and Resiliency, pg. 31
	Strategy C1.3: Educate and Protect Residents	C1.3.1: Establish a centralized communication platform detailing climate-related risks, including wildfire smoke, heat, drought, and flooding.	2	Jessica (Communications) Ryan (Fire)	In Progress	Year 1 & 2 Priority	\$29,400 per year	County sends out CharMeck Alerts, communications shares this system via social media. Additionally, a Town-level notification system (Atlas1) included in FY25 budget.		NS Resilience Planning, pg. 13-14
		C1.3.2: Conduct regular community engagement sessions to gather feedback on climate communication effectiveness.		Jessica (Communications) Ryan (Fire)	Not started					NS Resilience Planning, pg. 13-14
		C1.3.3: Implement targeted outreach programs to ensure vulnerable and underserved populations (e.g. isolated seniors, outdoor workers, long-term care residents) receive tailored information and resources. This could involve working with local community leaders and organizations to address language barriers, accessibility issues, and cultural sensitivities, ensuring equitable access to climate information and resources.		Jessica (Communications)	Not started					NS Resilience Planning, pg. 13-14

NOTE:

- (1) Lead Department/Contact is listed in bold for each action item
- (2) Sus Com = Sustainability Committee
- (3) LEED = Leadership in Energy and Environmental Design
- (4) AH = Affordable Housing
- (5) Ec Dev = Economic Development