



**Town of Davidson  
Board of Commissioners Regular Meeting  
Town Hall & Community Center Council Chamber – 251 South Street  
Tuesday, August 13, 2024 at 6:00 PM**

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**I. CALL TO ORDER**

**II. ANNOUNCEMENTS/PROCLAMATION**

**a. Honoring Davidson Wildcat Olympic Medalists**

**III. CHANGES / ADOPTION OF THE AGENDA**

**IV. BUSINESS ITEMS**

**a. Discuss Climate Action Plan Implementation Strategy for FY 25, 26**

**Presenter:** Kayla Kovach, Sustainability Manager

**Summary:** In 2020, the Town of Davidson adopted a Comprehensive Plan which included numerous sustainability and energy-related items. Between 2020 and 2022, the Davidson Board of Commissioners added sustainability as a goal to their Strategic Plan and a municipal operations goal of carbon neutrality by 2037 was adopted. In 2021, a sustainability committee was formed and a sustainability framework was adopted. The Town has shown dedication to sustainability and has developed several sustainability initiatives over the past few years. To maintain momentum and ensure progress towards the carbon neutrality goal, Town Staff worked with Blue Strike Environmental to develop a Climate Action Plan. This Plan provides a roadmap of goals, strategies, and actionable steps to drive emission reductions for both municipal operations and the community.

The Climate Action Plan was adopted by the Board of Commissioners on April 9, 2024. An implementation strategy has now been developed with a list of priority action items from the Climate Action Plan for the next two years. Action items were identified as priorities based on the priority scores assigned to the items during Plan development, Sustainability Committee recommendations, various Town Department and Plan priorities, The Board of Commissioner's Strategic Plan, and availability of funding and resources.

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

**b. Discuss a Resolution Authorizing the Town of Davidson to Exercise the**

**Powers, Duties, and Responsibilities of a Housing Authority Pursuant to Housing Authority Law N.C.G.S. § 157**

**Presenter:** Alexander Cahill, Affordable Housing & Equity Director

**Summary:** In lieu of creating a housing authority, the Town Board, if it deems wise, can either designate a redevelopment commission created under the provisions of Chapter 160 of the General Statutes to exercise the powers, duties, and responsibilities of a housing authority, or may itself exercise such powers, duties, and responsibilities. In the event the Town Board designates itself to exercise the powers, duties, and responsibilities of a housing authority, it may assign the administration of the housing programs, developments, and policies to any existing or new department of the Town. Town staff are making a presentation on this potential exercise of powers under N.C.G.S. 157 and what it will enable the Town to do moving forward. After a public hearing is scheduled, the town board will be asked to approve this resolution.

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

**c. Discuss Establishing an Emergency Home Repair Pilot Program**

**Presenter:** Alexander Cahill, Affordable Housing & Equity Director

**Summary:** The Town of Davidson is proposing to establish an Emergency Home Repair program. This program falls under the "preserve" pillar of the affordable housing strategic framework. Town staff are seeking the Board's input on the draft program requirements. This program pilot is being launched with pilot funding from the Davidson Community Foundation (DCF). Any vendor that can meet the program requirements, is a HUB-certified vendor, and aligns with the Town's mission, strategic plan, and core values will be considered. This item is for discussion only and the Board will be asked to approve it at the August 27 meeting.

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

**d. Discuss Draft Advocacy Agenda**

**Presenter:** Austin Nantz, Assistant Town Manager

**Summary:** The Town of Davidson has historically created a legislative advocacy agenda to further the Town's goals and advocate for the best interests of Davidson. The proposed agenda includes advocacy items for Mecklenburg County, the State of North Carolina, and the Federal Government. This item is for discussion only and the Board will be asked to approve it at the August 27 meeting.

**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. ADJOURN**



**PROCLAMATION  
HONORING THE DAVIDSON WILDCAT OLYMPIC MEDALISTS**

**WHEREAS**, the connection between Davidson College and the Town goes all the way back to 1837, and a time when the Town was the Town of Davidson College; and

**WHEREAS**, Davidson College students are part of our community. Beyond being counted in our census data, students are involved in so many aspects of the life of our Town; and

**WHEREAS**, from July 26 until August 11 so many people across our Town and Nation were glued to their televisions, computer screens, and phones to watch the 2024 Paris Olympics; and

**WHEREAS**, two of the 592 Team USA athletes are Davidson Wildcats. Stephen Curry (Class of 2010) and Evy Leibfarth (Class of 2025) proudly wore the red, white, and blue of Team USA. It was Leibfarth's second Olympics and Curry's first; and

**WHEREAS**, qualifying as an Olympic athlete was amazing enough, both of our Davidson Wildcats earned positions on their respective podiums and won Olympic medals; and

**WHEREAS**, Evy Leibfarth qualified in three Olympic Sports: - Canoe Slalom, Kayak Slalom, and Kayak Cross – a sport making its first appearance in the Olympics in 2024; and

**WHEREAS**, she finished in 15th place in the Kayak Slalom and in 10th place Kayak Cross. The 20-year-old earned a Bronze Medal in the Canoe Slalom on July 31; and

**WHEREAS**, Stephen Curry has earned four NBA Championship rings and two MVP awards, he had made it be known that he was hoping to add an Olympic Medal to his collection; and

**WHEREAS**, in the semifinal game against Team Serbia Stephen Curry led Team USA – scoring 36 points; and

**WHEREAS**, Curry's performance in that semifinal game was only a warmup for the Gold Medal game against France. While Team USA had a double-digit lead in the third quarter, that lead had dropped to a single possession in the closing minutes of the game. In the final 3 minutes Curry drained four of his eight 3-point shots – the final one termed a "Golden Dagger" by announcers. Curry and his fellow members of Team USA Men's Basketball earned Gold on August 10, defeating France 98-87.

**NOW, THEREFORE**, I, Rusty Knox, Mayor of Davidson and the Board of Commissioners do hereby honor Evy Leibfarth and Stephen Curry for earning Olympic medals in Paris. You have been amazing ambassadors for your alma mater and our Town. Go 'Cats!

**Proclaimed** this 13<sup>th</sup> day of August 2024.

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Rusty Knox  
Mayor



## **AGENDA MEMO**

**To:** Davidson Board of Commissioners

**From:** Kayla Kovach, Sustainability Manager

**Date:** August 13, 2024

**Re:** Discuss Climate Action Plan Implementation Strategy for FY 25, 26

### **ITEM SUMMARY/OVERVIEW**

In 2020, the Town of Davidson adopted a Comprehensive Plan which included numerous sustainability and energy-related items. Between 2020 and 2022, the Davidson Board of Commissioners added sustainability as a goal to their Strategic Plan and a municipal operations goal of carbon neutrality by 2037 was adopted. In 2021, a sustainability committee was formed and a sustainability framework was adopted. The Town has shown dedication to sustainability and has developed several sustainability initiatives over the past few years. To maintain momentum and ensure progress towards the carbon neutrality goal, Town Staff worked with Blue Strike Environmental to develop a Climate Action Plan. This Plan provides a roadmap of goals, strategies, and actionable steps to drive emission reductions for both municipal operations and the community.

The Climate Action Plan was adopted by the Board of Commissioners on April 9, 2024. An implementation strategy has now been developed with a list of priority action items from the Climate Action Plan for the next two years. Action items were identified as priorities based on the priority scores assigned to the items during Plan development, Sustainability Committee recommendations, various Town Department and Plan priorities, The Board of Commissioner's Strategic Plan, and availability of funding and resources.

### **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.

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's traditional character is that of a small, historic college town, so land planning will reflect its historic patterns of village-centered growth including connection of neighborhoods, preservation of our historic resources, conservation of rural area, and provision of public spaces.

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The physical, social, and intellectual well-being of Davidson citizens is fundamental to our community, so town government will provide and encourage enjoyable, safe, and affordable recreational and cultural lifelong learning opportunities.

### **NEXT STEPS**

Town staff will utilize the implementation strategy as a guide for implementing the Climate Action Plan for the next two years.



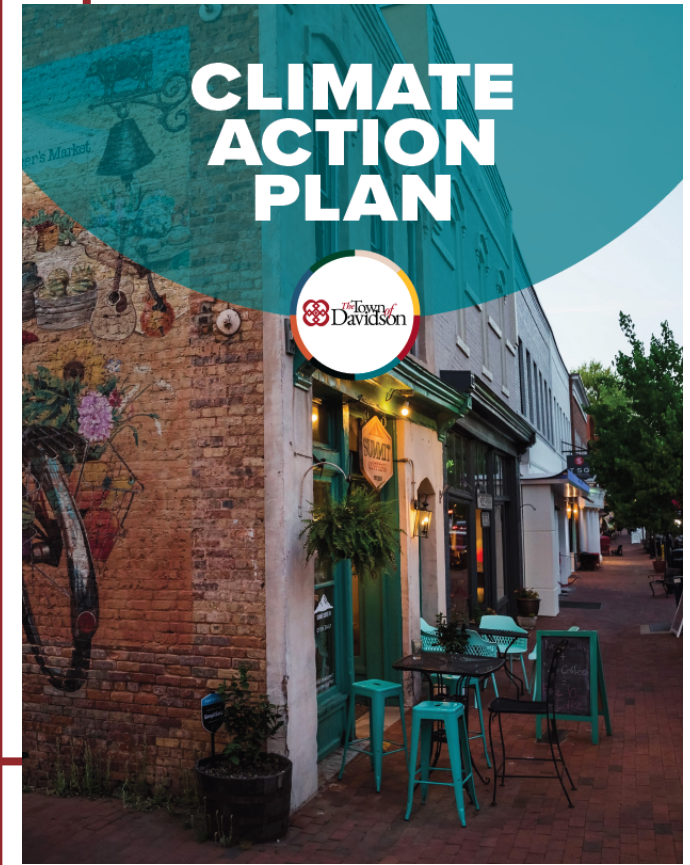
# Climate Action Plan Implementation Strategy for FY25, 26

Kayla Kovach  
Sustainability Manager  
Board of Commissioners Meeting  
August 13, 2024

[www.townofdavidson.org](http://www.townofdavidson.org)

# Climate Action Plan

- ☑ Adopted in April 2024
- ☑ The CAP provides a roadmap of **goals, strategies, and actionable steps** to drive emission reductions
- ☑ 2037 municipal operations carbon neutrality goal
- ☑ 2050 community-wide carbon neutrality goal



# Climate Action Plan Development

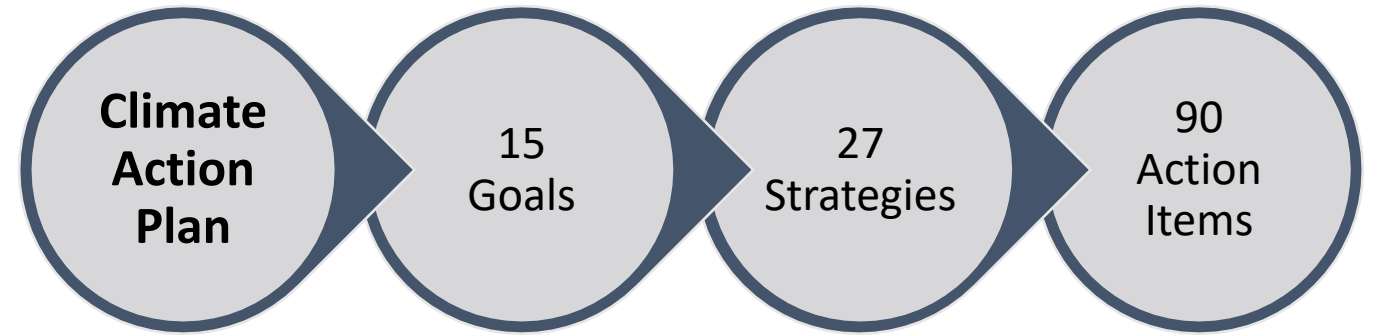
Many have contributed to the Climate Action Plan, including but not limited to:



# Priorities Development

Implementation priorities are being identified for the following reasons:

- Identify a starting point
- Ensure we have resources and funding allocated or being pursued
- Allow for a more focused approach



# Priorities Development

Climate Action Plan implementation priorities were developed for the next two years. These priorities were developed based on the following:

- Climate Action Plan Priority Scores
- Sustainability Committee Priority Suggestions
- The Board of Commissioner's Strategic Plan
- Department Priorities & Other Plans
- Funding & Resources Availability

# Sustainability Across Town Plans



## COMPREHENSIVE PLAN

Sustainability is an important theme in this Plan. The Plan's commitment to sustainability is evident through actions addressing climate change, mobility, housing inclusivity, economic vibrancy, and community service.



## HISTORIC PRESERVATION PLAN

The Plan encourages energy conservation and sustainability through historic preservation practices.



## STANDARDS OF COVER

Includes evidence-based, cost-effective, and sustainable options for emergency response. Recognizing the potential impact of climate change on emergency incidents, a robust and adaptable emergency response system is vital.



## MOBILITY PLAN

Action steps cover pedestrian, bicycle, vehicular, parking, new mobility options, and transit mobility. Provides a strategic framework to enhance resilience and sustainability amid urban evolution.



## RURAL AREA PLAN

Places a strong emphasis on sustainable development, climate resilience, and adaptation strategies across various action items. The plan advocates for open space preservation.



## DPR MASTER PLAN

Outlines a strategic framework for the continual improvement and sustainability of its parks and recreational facilities.

# Strategic Plan Alignment



1 Develop a specific approach to land preservation with partners and support Mecklenburg County's efforts on farmland preservation.

2 Begin implementation of priorities established by the Climate Action Plan (CAP).

3 Research available grant opportunities to fund implementation of CAP initiatives.

4 Finalize and implement the Urban Community Forestry Plan (Tree Canopy Master Plan).

5 Identify and pursue ways to model desired behavior supportive of improving sustainability and environmental awareness.

6 Strive to improve energy efficiency in town-owned buildings.

7 Improve energy efficiency in Town-owned affordable housing through the promotion of programs and ensure that sustainability is incorporated in affordable housing development.

# Example

| 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 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)<br>Kayla (Sustainability)        | In Progress      | Year 1 & 2 Priority | \$180,000            | General estimate for a few lower emission vehicle purchases; interdepartmental investment. 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)<br>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)<br>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 |

# Priority Table Details

## PRIORITY SCORES

- Priority scores were developed as part of the Climate Action Plan and incorporate the following: GHG reduction, cost effectiveness, community benefits, resilience to stressors, and equity and justice.

## DEPARTMENT CONTACTS

- Department Contacts in **Bold** identify who and what department is the lead for each action item; however, each department identified is responsible for contributing to the progress of that action item.

## PROGRESS TO DATE

- The progress to date for each action item is either awaiting action, in progress, or completed.

## YEAR 1 & 2 PRIORITY

- Year 1 & 2 priorities are highlighted in purple.
- Items listed as a priority will not necessarily be completed in these first two years; some are marked as priority because the discussions for that item should begin in the first two years.
- Some items are Town priorities (e.g., implementing the Mobility Plan) that are marked as in-progress but are not considered sustainability priorities for the coming two years since they are prioritized within their own plan.

# Priority Table Details

## **ESTIMATED INVESTMENT**

- Estimates were developed based on current information/funding/pricing. All costs are one-time assumptions unless “per year” is stated after, meaning it would be an annual cost. Not all costs will fall under the sustainability budget: (1) other departments share responsibility for many items that overlap with sustainability, (2) CIP & ARPA funding allocated, (3) grants, and (4) no cost associated at this time.

## **NOTES**

- Brief details of what is planned for each action item.
- If CIP, ARPA, or grant funding is available and/or allocated, that has been noted in the Notes section.

## **SUSTAINABILITY COMMITTEE PRIORITIES**

- The Sustainability Committee provided their priorities by strategy. Priority action items were chosen in alignment with their strategy recommendations and have been reviewed and endorsed by the committee.

## **LEED FOR CITIES OVERLAP**

- General section of LEED report with which the action item may relate.

# Focus Areas



**MUNICIPAL  
OPERATIONS**



**TRANSPORTATION  
& MOBILITY**



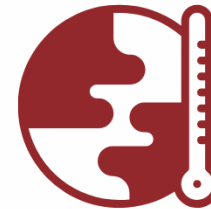
**BUILDINGS &  
ENERGY**



**RESOURCE  
CONSERVATION**



**GREEN  
COMMUNITY**



**CLIMATE  
RESILIENCE**

# Municipal Operations



- Goal M1 – Reduce Mobile Source Emissions in Town Operations
  - Fleet transition strategy; replace Town tools with electric alternatives
- Goal M2 – Operate Sustainable Buildings
  - Energy audits; building performance tracking platform; install energy measures; solar panel installation
- Goal M3 – Increase Efficiency in Public Street Lighting
  - Upgrade all streetlights to LED
- Goal M4 – Reduce Solid Waste in Town Operations
  - Waste characterization study; phase out single-use plastics
- Goal M5 – Demonstrate Leadership in Sustainable Operations
  - Green building policy; environmentally preferable purchasing policy; sustainable event/meeting protocols



- Goal T1 – Electrify Transportation
  - Install new charging stations throughout the Town
- Goal T2 – Reduce City-Wide Vehicle Miles Traveled
  - Idle-reduction campaign



- Goal E1 – Increase Renewable Energy Usage
  - Group purchasing program for solar
- Goal E2 – Improve Efficiency of New & Existing Buildings
  - Promoting incentives & programs for homeowners
  - Incorporate sustainability practices in affordable housing



- Goal R1 – Advance Sustainable Waste Management Practices in Davidson
  - Promote Davidson Composts and explore expansion opportunities
  - Improve yard waste management
  - Waste reduction education/outreach



- Goal G1 – Preserve and Strategically Develop Landscapes
  - Assess areas for preservation; explore funding opportunities to support conservation efforts; promote incentives and resources for land conservation
- Goal G3 – Engage the Community in Green Initiatives
  - Explore green benefits initiatives within affordable housing; continue Bee City affiliation and expand pollinator-friendly practices
- Goal G4 – Strengthen Ecosystem Health and Green Space Conservation
  - Encourage planting of trees on private property; develop Urban Community Forestry Plan



- Goal C1 – Enhance Community Resilience Against Extreme Climate Events
  - Strengthen early warning systems for climate and heat hazards
  - Create Town-wide emergency operations plan to evaluate energy infrastructure, emergency management protocols, critical infrastructure resilience, etc.

# Implementation Success



Interdepartmental  
Accountability



Community  
Engagement



Sustainability Committee  
Support



Grants & Funding



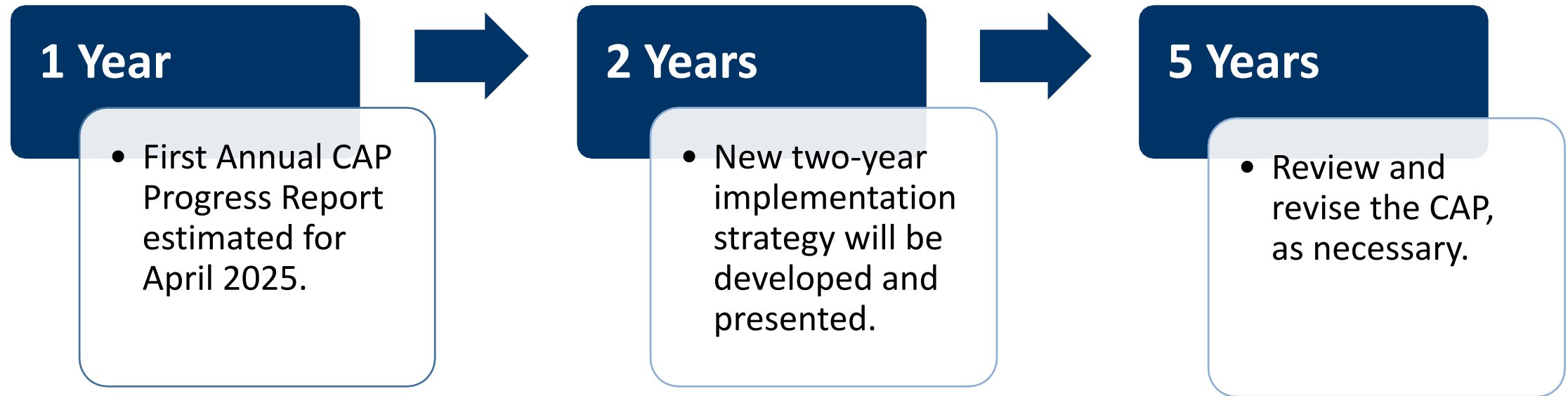
Partnering with  
Businesses in the  
Community



Tracking  
Methodology

# Next Steps

- Developing metrics and methodology for tracking action items



# QUESTIONS?





# LEED v4.1 CITIES AND COMMUNITIES: EXISTING CITIES

February 9, 2024

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# LEED for Cities and Communities: Existing Cities Scorecard

| LEED for Cities and Communities: Existing Cities |                                                     | Points       |
|--------------------------------------------------|-----------------------------------------------------|--------------|
| <b>INTEGRATIVE PROCESS</b>                       |                                                     | POSSIBLE: 5  |
| Credit                                           | Integrative Planning and Leadership                 | 1            |
| Credit                                           | Green Building Policy and Incentives                | 4            |
| <b>NATURAL SYSTEMS AND ECOLOGY</b>               |                                                     | POSSIBLE: 9  |
| Prerequisite                                     | Ecosystem Assessment                                | REQUIRED     |
| Credit                                           | Green Spaces                                        | 2            |
| Credit                                           | Natural Resources Conservation and Restoration      | 2            |
| Credit                                           | Light Pollution Reduction                           | 1            |
| Credit                                           | Resilience Planning                                 | 4            |
| <b>TRANSPORTATION AND LAND USE</b>               |                                                     | POSSIBLE: 15 |
| Prerequisite                                     | Transportation Performance                          | 6            |
| Credit                                           | Compact, Mixed Use and Transit Oriented Development | 3            |
| Credit                                           | Safe, Multimodal Accessibility                      | 2            |
| Credit                                           | Clean Transportation                                | 1            |
| Credit                                           | Mobility Management                                 | 2            |
| Credit                                           | Priority Sites                                      | 1            |
| <b>WATER EFFICIENCY</b>                          |                                                     | POSSIBLE: 11 |
| Prerequisite                                     | Water Access and Quality                            | REQUIRED     |
| Prerequisite                                     | Water Performance                                   | 6            |
| Credit                                           | Integrated Water Management                         | 1            |
| Credit                                           | Stormwater Management                               | 2            |
| Credit                                           | Smart Water Systems                                 | 2            |
| <b>ENERGY AND GREENHOUSE GAS EMISSIONS</b>       |                                                     | POSSIBLE: 30 |
| Prerequisite                                     | Power Access, Reliability and Resiliency            | REQUIRED     |
| Prerequisite                                     | Energy and Greenhouse Gas Emissions Performance     | 14           |
| Credit                                           | Energy Efficiency                                   | 4            |
| Credit                                           | Renewable Energy                                    | 6            |
| Credit                                           | Net-Zero Carbon and Climate Action                  | 4            |
| Credit                                           | Grid Harmonization                                  | 2            |

|                                |                                          |              |
|--------------------------------|------------------------------------------|--------------|
| <b>MATERIALS AND RESOURCES</b> |                                          | POSSIBLE: 10 |
| Prerequisite                   | Solid Waste Management                   | REQUIRED     |
| Prerequisite                   | Waste Performance                        | 4            |
| Credit                         | Special Waste Streams Management         | 1            |
| Credit                         | Responsible Procurement                  | 1            |
| Credit                         | Material Recovery                        | 3            |
| Credit                         | Smart Waste Management Systems           | 1            |
| <b>QUALITY OF LIFE</b>         |                                          | POSSIBLE: 20 |
| Prerequisite                   | Demographic and Social Equity Assessment | REQUIRED     |
| Prerequisite                   | Quality of Life Performance              | 6            |
| Credit                         | Social Services & Infrastructure         | 3            |
| Credit                         | Economic Growth & Opportunity            | 3            |
| Credit                         | Environmental Justice                    | 1            |
| Credit                         | Housing and Transportation Affordability | 2            |
| Credit                         | Public Health                            | 3            |
| Credit                         | Educational Opportunity & Attainment     | 1            |
| Credit                         | Civil and Human Rights                   | 1            |
| <b>INNOVATION</b>              |                                          | POSSIBLE: 6  |
| Credit                         | Innovation                               | 6            |
| <b>REGIONAL PRIORITY</b>       |                                          | POSSIBLE: 4  |
| Credit                         | Regional Priority                        | 4            |
| <b>TOTAL</b>                   |                                          | <b>110</b>   |

40-49  
Points

CERTIFIED

50-59  
Points

SILVER

60-79  
Points

GOLD

80+  
Points

PLATINUM

# INTEGRATIVE PROCESS (IP)

## IP CREDIT: INTEGRATIVE PLANNING AND LEADERSHIP

This credit applies to

- Cities (1 point)

### Intent

To support an early and ongoing analysis of the interrelationships among systems in a city to deliver high-performance, cost-effective programs and services which result in positive and equitable outcomes.

### Requirements

Use inter-disciplinary teams and ensure the following processes are followed:

1. **LEED for Cities Team:** Assemble and convene an interdisciplinary and cross-departmental team. Include team members from a minimum three of the following areas of expertise:

- Development Authority
- Urban / Master Planning and Design
- Engineering, Utilities, Infrastructure and Public Works
- Economic Development, Finance and Administration
- Urban Ecologist, Biologist or Landscape Architect
- Construction Management
- Social, Community, and Human Services; Public Health
- Education / School Board
- Sustainability / Resilience Officer
- Data Officer / Information Technology
- Philanthropy, Community Foundation
- Community and stakeholder representatives, including advocacy groups for underserved or vulnerable populations.

Include any other experts or stakeholders as relevant to the city.

2. **LEED for Cities Roadmap Development:** After formation of LEED team, conduct at least two workshops (in-person or virtual) to assess and develop the following:

- **Gap Analysis:** Assess the existing status of the city against the parameters mentioned in LEED prerequisite and credit requirements. Develop a gap analysis report.
- **Preliminary Rating Goal Setting:**
  - Identify the LEED certification level (Certified, Silver, Gold, or Platinum) to pursue.
  - Identify the LEED credits to meet the targeted certification level.
  - Identify the responsible parties to ensure that the LEED requirements for each prerequisite and selected credit are met.
- **LEED Action Plan:** Develop a strategic action plan for the city to achieve the goals identified through the gap analysis and goal setting.

3. **Sustainability in Planning:** Describe how the city currently integrates sustainability principles into its comprehensive plans. The plan should establish a clear vision and goals for the future including but not limited to those associated with the LEED for Cities categories. The plan should identify performance measures and strategies that will enable the city to achieve its goals, provide a clear process for implementation, and include a mechanism for regular reporting on progress.

Describe how the city plans to integrate the results of the LEED for Cities certification process in its future planning processes.

4. **Stakeholder and Public Engagement:** Articulate how the city will inform and engage stakeholders, including opportunities for the wider community to become informed and participate.

## IP CREDIT: GREEN BUILDING POLICY AND INCENTIVES

This credit applies to

- Cities (1-4 points)

### Intent

To encourage the design, construction, and retrofit of buildings using green building practices.

### Requirements

Attempt any of the following options for a total of up to 4 points:

#### Option 1. Buildings Owned and/or Operated by the Local Government (1-2 points)

Meet the following requirements for:

**New Buildings:** Adopt a policy for all new construction undertaken by the local government to achieve LEED or a similar green building certification. The green building rating system must be holistic and address energy, water, waste, transportation, location and natural systems.

AND

**Existing Buildings:** Register and certify existing buildings above 5000 square feet (465 square meter) that are owned and/or operated by the local government to LEED, EDGE or a similar green building rating system.

Table 1: Points for green buildings

| Percentage of buildings registered or certified to LEED or similar green building rating system | Cities |
|-------------------------------------------------------------------------------------------------|--------|
| 25 to 50%                                                                                       | 1      |
| Above 50                                                                                        | 2      |

#### Option 2. Green Building Policy and Incentives (2 points)

Provide a minimum of two incentives for LEED or a similar green building rating system in the city.

##### Structural Incentives:

- Provide expedited review or permitting processes to buildings achieving certification.
- Provide density or height bonus allowing for percentage increases in Floor Area Ratio or other measures of density contingent upon certification.

##### Financial Incentives:

- Provide tax credits for buildings achieving certification.
- Provide permitting fee reduction or waivers for buildings achieving certification.

# NATURAL SYSTEMS AND ECOLOGY (NS)

## NS PREREQUISITE: ECOSYSTEM ASSESSMENT

This prerequisite applies to

- Cities

### Intent

To assess the existing ecosystem conditions and services provided by ecosystems, built landscapes, and other open spaces to inform the city development along with conservation and restoration efforts.

### Requirements

Complete and document an ecosystem assessment that includes the following topics:

#### 1. Topography:

- Contour mapping.
- Unique topographic features highlighting landforms, watercourses, and vegetation.

#### 2. Soils:

- Identification of prime farmland, unique farmland or farmland of statewide or local importance.
- Healthy soils.
- Soils disturbed by previous development and degree of disturbance.

#### 3. Terrestrial Vegetation and Habitat:

##### Terrestrial Vegetation

- Forests, grasslands, desert or arid areas, and other largely undeveloped spaces, existing vegetated area including parks, gardens, and urban tree canopies.
- Urban farms and community gardens including those in vacant lots.
- Primary vegetation types, native plants, and plant communities.

##### Habitat

- Habitat for threatened or endangered species, habitat for apex predators.
- Unique habitat and degraded habitat.
- Sensitive habitats and local species disturbed by construction and human encroachment.

#### 4. Hydrology and Aquatic Ecosystems:

- Wetlands, lakes, beaches and streams; degraded waterbodies.
- Watershed health, potable and non-potable water sources.

#### 5. Pollution Sources and Threats:

- Noise, water and air pollution level for the city and significant sources for high pollution levels (if detected).
- Brownfield and hazardous waste sites.
- Invasive plant species and areas of their extensive growth.

The survey or assessment should demonstrate the relationships between the topics listed above and how these features influenced the city's strategy and development.

Note: Not all topics apply to every city, and each may contain additional important unique elements that are not explicitly addressed here. Give reasons for not addressing any of the topics mentioned above.

## NS CREDIT: GREEN SPACES

This credit applies to

- Cities (1-2 points)

### Intent

To provide accessible green spaces that positively impact physical, mental, and psychological health and well-being of the community while also enhancing the environmental quality of the city or community.

### Requirements

Attempt any of the following options for a total of up to 2 points:

#### Option 1. Access to Green Spaces (1-2 points):

Provide publicly accessible green space area at 15% or more of total city area.

AND

Provide accessible green spaces within 1/2-mile (800 meters) walking distance to city residents. Points are awarded as per the table below.

Table 1: Percentage of residents with access to green spaces

| Percentage of residents having accessible green spaces within 800 meters walking distance | Points |
|-------------------------------------------------------------------------------------------|--------|
| 50-70%                                                                                    | 1      |
| 70-90%                                                                                    | 2      |

#### Option 2. Urban Forest Cover (1 point):

Demonstrate an improvement in the urban forest cover or reduction in the urban heatmap of the city over a period of ten years. Reporting year must be within five years of the certification year.

AND

Adopt an Urban Forest Master Plan to improve the urban forest cover of the city. The plan must include vision and goals for urban forest cover improvement in the city and recommendations for sustainable urban forest management.

## NS CREDIT: NATURAL RESOURCES CONSERVATION AND RESTORATION

This credit applies to

- Cities (1 - 2 points)

### Intent

To conserve existing natural resources, restore degraded areas, improve habitats and promote biodiversity within the city.

### Requirements

Maintain existing habitats for species designated as threatened or endangered (as identified under *NS prerequisite Ecosystem Assessment*)

AND

Attempt any of the following options for a total of up to 2 points:

#### Option 1. Natural Resource Acreage (2 points):

Maintain protected natural resource acreage at 20% or more of total city land area.

#### Option 2. Natural Resource Conservation and Restoration Plan (2 points):

Restore and/or conserve any degraded area or sensitive habitat as identified under *NS prerequisite Ecosystem Assessment* in the city using at least one of the following strategies:

- Improve degraded terrestrial and aquatic areas.
- Manage invasive species growth.
- Improve habitat connectivity and reduce human-wildlife conflict.
- Protect riparian area functions in floodplains. Implement passive or active riparian restoration programs on public lands to enhance the ecological functions of degraded floodplain areas.

#### Option 3: Biodiversity Enhancement (1 point)

As identified under *NS prerequisite Ecosystem Assessment*, develop and implement a plan to maintain or improve habitat for one or more key local species that are sensitive to human encroachment, or threatened or endangered. Include strategies to improve low genetic diversity in local wildlife population.

## NS CREDIT: LIGHT POLLUTION REDUCTION

This credit applies to

- Cities (1 point)

### Intent

To minimize and manage ambient light levels to protect public health and the integrity of ecological systems and increase the night sky access, improve nighttime visibility, and reduce the consequences of development for wildlife and people.

### Requirements

Attempt any one of the following options:

#### Option 1. Protect Night Sky Access:

Meet all of the following:

- Adopt a policy prohibiting all uplighting for street lighting and public lighting.
- Implement requirements for all new streetlights and public lights to conform with the IES's TM-15-11 "BUG" (Backlight, Uplight and Glare) classification of outdoor lighting fixtures to ensure that only fully-shielded fixtures are used.
- Demonstrate improvement in replacing existing streetlights that do not meet the uplighting or fully-shielded criteria from a baseline year no more than five years prior to the most recent reporting year.

#### Option 2. Lighting Ordinance:

Adopt a lighting ordinance or required standard for the city conforming to the Section II to VI of the Model Lighting Ordinance (MLO), 2011 developed jointly by the International Dark Sky Association and Illuminating Engineering Society.

## NS CREDIT: RESILIENCE PLANNING

This prerequisite applies to

- Cities (1 - 4 points)

### Intent

To strengthen the resilience of cities to adverse events like climate change risks, natural and man-made hazards and extreme events.

### Requirements

Attempt any one or more of the following options for a total of up to 4 points:

#### Option 1. Vulnerability and Capacity Assessment (1 point)

Identify the local environmental context and conduct a vulnerability and capacity assessment for climate change risks, natural and man-made hazards and extreme events as listed in *Table 1. Classification of impacts for Vulnerability and Capacity Assessment* and include the following steps:

- **Risk Identification** – Identify the impacts from which an area is at risk. Use national/state level maps and historic data of occurrence to identify the potential threats.
- **Risk Assessment** – Estimate the probability of occurrence of the extreme events. Study their characteristics, frequency, and potential severity. Conduct a socio-economic and environmental assessment of the impact.
- **Vulnerability and Capacity Assessment** – Assess the most exposed and affected sections, strengths and weaknesses of the city.
- **Priority Identification** - Identify significant threats based on trends and future predictions, critical infrastructures, and population at risk from the threats. The city must identify top two natural and man-made hazards each.

Table 1: Classification of impacts for Vulnerability and Capacity Assessment

| Natural        |                      | Man-made      |                                           |
|----------------|----------------------|---------------|-------------------------------------------|
| Geo Physical   | Earthquake           | Social        | Complex Emergencies/Conflicts             |
|                | Landslide            |               |                                           |
|                | Tsunami              |               | Displaced Populations                     |
|                | Volcanic Activity    | Technological | Cyber Attack                              |
| Hydrological   | Avalanches           |               | Infrastructure failure                    |
|                | Flood                | Industrial    | Fire                                      |
| Climatological | Extreme Temperatures |               | Explosion                                 |
|                | Drought              |               | Accidents                                 |
|                | Wildfires            | Transport     | Accidents on Road, Air, Railway, Maritime |
|                | Heat Island Effect   | Pollution     | Air and Water                             |
| Meteorological | Cyclones             |               |                                           |
|                | Storms/Wave Surges   |               |                                           |
| Biological     | Disease Epidemics    |               |                                           |

#### Option 2. Resilience Plan (1 point)

Achieve Option 1. Vulnerability and Capacity Assessment.

AND

Develop a Resilience Plan for the city. The plan must include details on the following:

- ▶ Adaptation and Mitigation Strategies: Include goals on adaptation and mitigation of significant threats as identified under Option 1. Vulnerability and Risk Assessment, actions to address the adaptation and mitigation goals, and resources required to complete the adaptation and mitigation strategies.
- ▶ Stakeholder Engagement: Include details on diverse community stakeholder (residents, businesses and/or institutions) engagement process, stakeholders' feedback, and results from the stakeholder engagement process.
- ▶ Monitoring & Evaluation: Include metrics to guide monitoring and evaluation of adaptation and mitigation strategies and a clear framework for implementation and reporting.

### **Option 3: Improve Resilience (2 points)**

Achieve Option 1. Vulnerability and Capacity Assessment.

AND

Demonstrate that the city has reduced vulnerability to at least 2 significant threats and for at least 1 at-risk population group as identified under Option 1. Vulnerability and Capacity Assessment over time. Reductions can be shown using any one of the following three strategies:

- ▶ Reduction: Demonstrate that the occurrence of significant threats has reduced from a baseline year no more than five years prior to the most recent reporting year.
- ▶ Addressal: Demonstrate that at-risk communities, threatened wildlife or critical infrastructures have been moved out of harm's way resulting in reduced risk.
- ▶ Adaptation: If an impact cannot be avoided or addressed, demonstrate an increase in adaptive capacity, or the ability to rebound from an impact.

# TRANSPORTATION AND LAND USE (TR)

## TR PREREQUISITE: TRANSPORTATION PERFORMANCE

This prerequisite applies to

- Cities (1-6 points)

### Intent

To promote non-motorized transportation, encourage use of public transit and reduce pollution from the transportation sector.

### Requirements

#### Modal Split:

Collect and disclose data for one whole calendar year within the last 5 years on modal split showing the percentage of population commuting to work by using the following transportation modes:

- Walk
- Bicycle
- Public transportation
- Carpool/vanpool
- Taxicab/transportation network company (TNC)
- Drive alone
- Telecommute/work from home
- Other transportation modes

Disclose modal split for travel to other places (e.g., non-work trips, all trips) if available, but document separately from commute modal split.

AND

#### Transportation Performance:

Measure the daily Vehicle Miles Travelled (VMT) per capita for all passenger vehicles within the city. Total VMT must be calculated for one whole calendar year within the last 5 years using either of the following methodologies:

- Non-traffic count based
- Traffic count based
- Transportation modeling software derived

Obtain a minimum transportation performance score of 40. Additional points for this prerequisite are awarded for transportation performance scores above 40, according to the table given below.

Table 1: LEED Points for Transportation Performance

| Transportation Performance Score in Arc | Points       |
|-----------------------------------------|--------------|
| 40                                      | Prerequisite |
| 41 - 50                                 | 1            |
| 51 - 60                                 | 2            |
| 61 - 70                                 | 3            |
| 71 - 80                                 | 4            |
| 81 - 90                                 | 5            |
| 91 - 100                                | 6            |

**Performance Score Calculation**

1. To calculate transportation performance score, the following data are required: Total VMT (in miles) for all passenger vehicles for the city or community for a minimum period of one calendar year.
2. Total population of the city or community. Consider daytime and night time population, as well as permanent and floating population for calculations.

## TR CREDIT: COMPACT, MIXED USE AND TRANSIT ORIENTED DEVELOPMENT

This credit applies to

- Cities (1-3 points)

### Intent

To concentrate development in compact, mixed-use centers, which allow efficient use of shared infrastructure and permit people to meet their daily needs without reliance on single-occupant vehicles.

### Requirements

Identify Compact and Complete Centers (CCC) that will be analyzed in this credit. CCCs are areas that represent the community's strongest mix of uses, public transit availability, density, and walkability. They are measured as areas within a ½ mile (800 meters) walking distance of a central point, including landmarks such as public transit stations, civic buildings, major employment centers, urban parks, squares, plazas, or other major destinations. CCCs may be adjacent but not overlapping.

The number of CCCs required for analysis is based on the city's permanent population, as shown in the table below.

Table 1: Number of CCCs required as per city's permanent population

| City Permanent Population | Number of CCCs |
|---------------------------|----------------|
| > 1 million               | 10             |
| 750,000 – 1 million       | 9              |
| 500,000 – 749,999         | 8              |
| 250,000 – 499,999         | 6              |
| 100,000 – 249,999         | 4              |
| 30,000 – 99,999           | 2              |
| < 30,000                  | 1              |

Attempt any of the following options for a total of up to 3 points:

#### Option 1. Density, Destinations and Transit (3 points)

Meet all of the following requirements for each CCC:

- Density:  
Residential density of at least 12 dwelling units per acre and non-residential density of at least 0.8 FAR or greater.  
OR  
Combined density of at least 35,000 square feet per acre of buildable land.
- Diverse uses:  
At least 8 diverse uses (Appendix 1) present.
- Public transit availability:  
At least 2 transit stops/stations from different routes are served by at least 72 weekday trips and 30 weekend trips (per direction).

#### Option 2. Walk Score and Transit Score (2 points)

Demonstrate that each CCC achieves both a Walk Score and a Transit Score greater than 70.

#### Option 3. Planning for Future Development (1 point)

Ensure that 90% population and job growth over the next 10 years from the date of certification is planned to occur in areas that meet the CCC requirements.

AND

Provide incentives to increase residential and employment densities and diverse uses in areas identified for compact, mixed use development with public transit availability.

## TR CREDIT: SAFE, MULTIMODAL ACCESSIBILITY

This credit applies to

- Cities (1-2 points)

### Intent

To encourage use of diverse transportation alternatives to reduce the reliance on single-occupant vehicles within the city.

### Requirements

Attempt any of the following options for a total of up to 2 points:

#### Option 1. Transit Supportive Design and Policy (1 point)

Achieve any one of the following:

- Achieve Option 1. Density, Destinations and Transit of TR Credit: Compact, Mixed Use and Transit Oriented Development.
- Demonstrate 60% of population is within ½ mile (800 meters) walking distance of high frequency transit.

AND

Demonstrate an improvement in the transit service quality of the city for at least one of the following strategies over a period of ten years. Reporting year must be within five years of the certification year:

- Increase in public transit ridership.
- Faster or more reliable transit travel times.
- Increasing mileage of transit-priority travel lanes.
- Increasing number of intersections with transit signal priority.

AND

Plan and implement street and intersection design to improve transit service quality in coordination with the local transit agency.

#### Option 2. Pedestrian and Bicycle Infrastructure (1 point)

Achieve a Bike + Walk minimum of 15% for journey to work trips.

AND

Achieve any one of the following:

- Increase the mileage of sidewalks, particularly on arterial or collector roads over a period of ten years. Reporting year must be within five years of the certification year.
- Increase the mileage of striped or buffered bicycle lanes, cycle-tracks, parallel off-streets paths and/or other dedicated non-motorized facilities over a period of ten years. Reporting year must be within five years of the certification year.
- Provide shade from trees or permanent structures over at least 40% of the total length of existing and planned sidewalks.

AND

Plan and implement policies that address the following:

- ▶ Provision of safe and comfortable sidewalks, bikeways and crosswalks in compliance with Americans with Disabilities Act (ADA) or relevant national or local guidelines for 100% of sidewalks, bikeways and crosswalks.
- ▶ Pedestrian and bicycle infrastructure investment that considers equitable access for low income communities.

### **Option 3. Transportation Safety (1 point)**

Demonstrate the following:

- ▶ Both pedestrian and bicyclist fatalities and severe injuries are making incremental progress toward zero fatalities by 2040.
- ▶ Vehicular fatalities and severe injuries are making incremental progress towards zero fatalities by 2040.

AND

Adopt Vision Zero policies to eliminate traffic fatalities and severe injuries. Policies must address the following:

- ▶ Ongoing public commitment from leadership and community engagement.
- ▶ Action plan with specific goals, metrics, and timelines. Include evaluation and adjustment programs based on performance of safety interventions and equity analysis.
- ▶ Complete Streets principles integrated into all roadway projects.
- ▶ Context- sensitive street design and speeds for all rights-of-way.

## TR CREDIT: CLEAN TRANSPORTATION

This credit applies to

- Cities (1 point)

### Intent

To reduce pollution by supporting the transition to electricity, and alternative fuels as a means of powering vehicles.

### Requirements

Attempt any one of the following options:

#### Option 1. Electric Transportation Infrastructure (1 Point):

Adopt any two of the following strategies to promote vehicle electrification:

- Commercial and Multiunit Residential Electric Vehicle Charging: Require any new commercial or multiunit residential development with 10 or more parking spaces to make a minimum of 15% of parking spaces “EV Ready” by providing sufficient electrical panel capacity, conduit, and wiring to support future Level 2 EVSE.
- Single Family Residential Electric Vehicle Charging: Require any new one or two-family development with off-street parking to make spaces “EV-Ready” by providing electrical panel capacity and conduit for future Level 2 EVSE AND implement streamlined permitting process to facilitate installation of home charging systems.
- Equitable Deployment of EV Charging Stations: Prioritize access to EV charging infrastructure for low-income communities.
- Municipal Fleets and School Buses:  
Develop and implement a plan for fleet vehicles owned by local government to transition to at least 50% electric vehicles within 5 years from the date of certification.  
OR  
Coordinate with the school district to develop a plan for 50% of school buses to transition to electric vehicles within 5 years from the most recent reporting year.

#### Option 2. Electric Vehicle Charging Facilities (1 point):

Achieve any one of the following:

- Provide electric vehicle supply equipment (EVSE) in 2% of all public parking spaces. Clearly identify and reserve these spaces for the sole use by plug-in electric vehicles.
- Demonstrate that the number of private and public electric vehicle charging stations exceed 1.07 per 10,000 residents, or comply with local or national equivalent.

AND

All EVSE must meet the following requirements:

- Provide a Level 2 charging capacity (208 – 240 volts) or greater.
- Comply with the relevant regional or local standard for electrical connectors, such as SAE Surface Vehicle Recommended Practice J1772, SAE Electric Vehicle Conductive Charge Coupler or IEC 62196 of the International Electrotechnical Commission for cities or communities outside the U.S.

#### Option 3. Alternative Fuel Stations (1 point)

Demonstrate that the total number of government and privately owned alternative fuel stations meet or exceed 1.52 per 10,000 residents, or comply with local or national equivalent.

## TR CREDIT: MOBILITY MANAGEMENT

This credit applies to

- ▶ Cities (1-2 points)

### Intent

To reduce vehicle miles traveled, emissions, and congestion associated with single-occupant vehicles.

### Requirements

Attempt any of the following options for a total of up to 2 points:

#### Option 1. Transportation Demand Management (TDM) Policy (1 point)

Ensure that a Transportation Management Association (TMA) along with a Transportation Management Coordinator (TMC) that coordinates employer TDM programs is in operation. Adopt a TDM ordinance that includes enforcement mechanisms to require major employers to participate in the TMA.

AND

Ensure at least three of the following (but not limited to) TDM strategies on reduction of single occupant vehicle trips are available for TMA members:

- ▶ Subsidized or universal transit passes.
- ▶ Equal transportation subsidy for non-drivers.
- ▶ Enhanced pedestrian and bicycle facilities.
- ▶ Shared vehicle hosting.
- ▶ Carpool/vanpool program and ride matching.
- ▶ Guaranteed ride home program.
- ▶ Incentivize telecommuting.

#### Option 2. Parking Management (1 point)

Demonstrate that parking policies exist that include at least three of the following strategies:

- ▶ Parking Maximums: Regulate the amount of parking capacity allowed in all land-use zones within the city.
- ▶ Unbundled Parking: Require that parking spaces be sold or rented separately from building purchases and leases, in a defined area.
- ▶ Shared Parking: Allow mixed-use development or shared facilities to reduce total parking by demonstrating that peak parking demand for individual land uses can be accommodated at different time (daily or seasonally).
- ▶ Redevelopment: Converting any existing surface parking area into public space, green space, or any other public/private redevelopment project.

#### Option 3. Smart Mobility (1 point)

Adopt any four solutions or policies to support a city-wide smart and efficient transportation system.

- ▶ Passenger Information System (PIS) - At least 80% of all transit stations within the city must be equipped with PIS system.
- ▶ Automated Speed Enforcement - At least 80% of roads to be equipped for automated speed enforcement.
- ▶ Traffic Surveillance - At least 80% of all transit stations within the city must be equipped with CCTVs for traffic surveillance.
- ▶ Global Positioning System (GPS)/ General Packet Radio Service (GPRS) - All public transit vehicles must be equipped with GPS/ GPRS system.
- ▶ Signal Synchronization and Transit Signal Priority - All signals on major roads must be synchronized or prioritized to address varying traffic flows.

- ▶ Integrated Ticketing System - At least 80% of all public transit systems and subsystems to have Integrated Ticketing System.
- ▶ Real-time Parking Management - At least 80% of all public and multi-level parking to have real-time parking management system.
- ▶ Electronic Toll Collection - All toll booths and plazas to have electronic toll collection system.
- ▶ Radio Frequency Identification (RFID) - Adopt RFID technology for logistics and/or for public transportation system.

## TR CREDIT: PRIORITY SITES

This credit applies to

- ▶ Cities (1 point)

### Intent

To preserve historic structures and sites and focus growth and redevelopment on infill sites and other priority locations.

### Requirements

Achieve any one of the following options:

#### Option 1. Historic Preservation (1 point)

This option is applicable to cities with at least one historic building, contributing building in a historic district, or designated cultural site within the city boundary.

Develop an inventory of designated and eligible historic structure(s) and site(s) with cultural significance. Consider historic buildings or cultural sites that are outside the city boundary that may be impacted by development.

Adopt a policy for alteration (rehabilitation, preservation, or restoration) of any historic building or cultural heritage site to ensure that following requirements are met:

- ▶ Approval in the form of a certificate of appropriateness from a local historic preservation commission or architectural review board for any exterior alterations or additions.
- ▶ Approval in the form of a certificate of appropriateness for alteration from the state or federal or national office in case the building(s) or site is subject to state or federal or national review.

#### Option 2. Infill and Brownfield Development (1 point)

- ▶ Refer to an existing inventory or develop an inventory of infill, previously developed, greyfield, brownfield or sites of priority and potential for development or redevelopment.
- ▶ Adopt policies, regulations or provide incentives to focus development on infill and/or previously developed site or to cleanup and reuse brownfield and/or greyfield sites.

# WATER EFFICIENCY (WE)

## WE PREREQUISITE: WATER ACCESS AND QUALITY

This prerequisite applies to

- Cities

### Intent

To provide equitable access to clean drinking water and sanitation services.

### Requirements

Water and wastewater systems serving the city must meet the following requirements:

#### Water and Sanitation Access

##### Case 1. Water and Sanitation Access

Demonstrate that all habitable structures within the city boundary have access to public water supply and wastewater collection systems including centralized and decentralized systems.

##### Case 2. Commitment to Provide Water and Sanitation Access to All Buildings

Cities unable to demonstrate that all habitable structures within the city boundary have access to public water supply and wastewater collection systems must provide a roadmap for achieving this within 5 years of certification.

For both cases, city can include decentralized systems such as wells and septic systems.

#### Drinking Water Quality

Demonstrate compliance with local, state or national regulations for chemical and microbial contaminants in drinking water pipes within the last one year (or the most recent reporting year).

- Provide the following data for each water supply facility:
  - Frequency of water quality testing (quarterly, monthly, bi-monthly, etc.)
  - Water quality testing parameters
- Describe corrective measures taken in case of non-compliance with drinking water quality standard being followed and/or violation of testing frequency.

#### Treated Wastewater Quality

Demonstrate compliance with U.S. EPA's National Pollutant Discharge Elimination System (NPDES) permit program of Clean Water Act (CWA) or local, state, or national regulations for 100% of wastewater generated from all centralized or publicly owned systems and wastewater discharged to surface water within the last one year (or the most recent reporting year). Meet the water quality parameter thresholds in NPDES permit program manual section 5.1.1 - Secondary and Equivalent to Secondary Treatment Standards.

- Provide the following data for each wastewater treatment facility:
  - Frequency of testing treated wastewater (quarterly, monthly, bi-monthly, etc.)
  - Water quality testing parameters

Describe corrective measures taken in case of non-compliance with wastewater treatment and quality standard being followed and/or violation of testing frequency.

All wastewater treatment systems that are independently operated onsite or decentralized and are outside the jurisdiction of the city or development authority must disclose the applicable standards for wastewater treatment and discharge.

**Stormwater Quality**

Demonstrate compliance with U.S. EPA's National Pollutant Discharge Elimination System (NPDES) permit program for stormwater pollution prevention from construction and industrial activities and municipal sources or local, state, or national regulations.

## WE Prerequisite: Water Performance

This prerequisite applies to

- Cities (1-6 points)

### Intent

To support water management by minimizing water use and demand as a means to conserve water.

### Requirements

Measure the daily per capita domestic water consumption within the city. Domestic water consumption must be calculated for one whole calendar year within the last 5 years.

Obtain a minimum water performance score of 40. Additional points for this prerequisite are awarded for water performance scores above 40, according to table below.

Table 1: LEED Points for Water Performance

| Water Performance Score in Arc | Points       |
|--------------------------------|--------------|
| 40                             | Prerequisite |
| 41 - 50                        | 1            |
| 51 - 60                        | 2            |
| 61 - 70                        | 3            |
| 71 - 80                        | 4            |
| 81 - 90                        | 5            |
| 91 - 100                       | 6            |

### Performance Score Calculation

To calculate a water performance score, the following data is required:

1. Total domestic water consumption (in million liters or gallons), based on monthly or daily consumption for minimum period of one year for the most recent calendar year within the past five years.
2. Permanent population of the city.
3. Total number of days in the year.

## WE CREDIT: INTEGRATED WATER MANAGEMENT

This credit applies to

- ▶ Cities (1 point)

### Intent

To support water management, reduce freshwater consumption and encourage to move towards net zero water use.

### Requirements

Adopt an integrated water management program by developing a water balance statement to report on amount of water withdrawn to the amount entering the system through precipitation, river flow and other sources.

Use Water balance calculator that consist of the following to demonstrate flow of water within the city:

1. **Water Availability Assessment**

Assess the total quantity of water available for use to the city.

2. **Water Demand**

Report on total water demand for all of the following sectors and use types present within the city, for past twelve consecutive months (one full year):

- ▶ Buildings – All use types such as residential, commercial, institutional, and industrial buildings under the public and private sector.
- ▶ Landscaping for public spaces such as parks, alongside roadways and open spaces.
- ▶ Any other sector as applicable to the city.

3. **Water Supply**

Measure the total amount of water supplied through various sources for past twelve consecutive months (one full year) sources of water supply may include, but not be limited to the following:

- ▶ Freshwater – Freshwater includes all naturally available water except for seawater and brackish water.
- ▶ Alternative water – includes:
  - Treated wastewater – For each of the sectors identified in Water Demand, identify the wastewater generated. For reusing treated wastewater, provide centralized water treatment plant. Support treated wastewater reuse which is within the scope of the development authority's direct execution, such as at building or community level by adopting appropriate regulations, policies or ordinances. In addition, meet the requirements for wastewater quality as per *WE Prerequisite: Water Access and Quality*.
  - Harvested rainwater – For each of the sectors identified in Water Demand, identify the quantity of stormwater harvested. For harvesting stormwater at city or community level provide stormwater infrastructure. Support stormwater harvesting for areas within the scope of the development authority's direct execution, such as at building or community level by adopting appropriate regulations, policies or ordinances. In addition, meet the requirements for stormwater quality as per *WE Prerequisite: Water Access and Quality*.
  - Desalinated water – Measure the total amount of desalinated water supplied within the city.

## WE CREDIT: STORMWATER MANAGEMENT

This credit applies to

- Cities (1 - 2 points)

### Intent

To prevent erosion, and reduce runoff volume, pollution, siltation, and sedimentation while recharging groundwater and providing accessible green infrastructure.

### Requirements

Achieve any one of the following options:

#### Option 1. Green Stormwater Infrastructure (2 points)

**Path 1.** Demonstrate that 35% of the city's land area has designated green stormwater infrastructure providing bioretention and infiltration services that are interconnected.

Provide details on strategies adopted to inspect and ensure maintenance of existing stormwater management facilities and techniques to infiltrate, evapotranspire, collect and reuse water for areas, such as pavements, walkways, parks, open spaces, and others.

OR

**Path 2.** Demonstrate that no more than 50% of the city's land area is covered by impervious surfaces.

#### Option 2. Stormwater Management Regulations (1 Point)

Implement a stormwater management regulation or code with a supporting manual establishing criteria and specifications engineers and planners use to plan, design, and construct regulated sites and stormwater Best Management Practices (BMPs) within the city. Ensure that the regulation or code includes at least two of the following:

- Minimum stormwater management control requirements, and low-impact development standards/practices to preserve predevelopment run-off conditions using infiltration, evapotranspiration, rainwater harvesting, and reuse to the maximum extent practicable.
- Mandate preparation of stormwater management plan development for various types of development and redevelopment activities within the city.
- Provision of implementing integrated BMPs on publicly owned buildings, parking lots, parks, streets and other facilities to demonstrate effectiveness and performance to developers, citizens and other stakeholders.
- Provision of incentives available for natural ecosystem preservation, and implementing on-site and off-site Best Management Practices (BMP) such as green roofs, rain gardens, cisterns, and permeable pavement.

## WE CREDIT: SMART WATER SYSTEMS

This credit applies to

- Cities (1-2 points)

### Intent

To improve the operational efficiency of the water management systems through use of smart technology.

### Requirements

Achieve any one of the following options:

#### Option 1. Water Audit (1 point)

Undertake water audit at least once a year to meet all of the following requirements:

- Address water use inventory, smart metering and water efficiency.
- Measure the amount of municipal water available and total water utilized from both municipal water supply and other sources.
- System efficiency and root-cause analysis for water losses, leaks and infiltration.
- Identify strategies for improving system efficiency.

#### Option 2. Water Audit and Automation (2 points)

Adopt strategies for automation of water supply system for efficient operation and management by data collection, tracking and monitoring of water supply network and conduct regular water audits.

# ENERGY AND GREENHOUSE GAS EMISSIONS (EN)

## EN PREREQUISITE: POWER ACCESS, RELIABILITY AND RESILIENCY

This prerequisite applies to

- Cities

### Intent

To provide safe, secured, reliable, resilient, and equitable access to power.

### Requirements

Power system must meet the following requirements. Cities with multiple utilities or service providers must aggregate data to demonstrate compliance.

### Access

#### Case 1. Electricity Access

Demonstrate that all buildings within the city have access to electricity.

#### Case 2. Commitment to Electricity Access

For cities that have not achieved 100% coverage of buildings by electricity supply, provide a roadmap for achieving the same within 5 years of certification.

AND

### Reliability Performance Monitoring

Demonstrate continuous monitoring (automatic or manual) and recording of interruptions for the complete electricity distribution network or share most recent SAIDI and SAIFI values for the grid.

AND

### Power Surety and Resiliency

Identify critical loads and essential services/facilities owned and/or operated by the city, that require backup power during widespread outages or disasters and determine their minimum daily runtime requirements. Demonstrate that the city can supply back up power to all identified critical loads, and essential services in meeting their minimum daily runtime for at least one day.

Off-grid developments or micro-grids are eligible if they independently meet the above requirements and are supported by the city development plans or policies.

## EN PREREQUISITE: ENERGY AND GREENHOUSE GAS EMISSIONS

### PERFORMANCE

This prerequisite applies to

- Cities (1–14 points)

#### Intent

To support energy management and move towards net zero energy and emissions.

#### Requirements

Measure the annual energy consumption and Greenhouse Gas (GHG) emissions for the city. The inventory\* should cover Scope 1 and Scope 2 emissions for one whole calendar year within the last five years. LEED points are based on Energy and GHG performance on Arc scored by Greenhouse Gas emissions per capita (metric tons CO<sub>2</sub>e per capita).

Obtain a minimum Energy and GHG Performance Score of 40 on Arc. Additional points for this prerequisite are awarded for Energy and GHG Performance Scores above 40, according to table below.

Table 1. LEED points for Energy and GHG Performance

| Arc Performance Score | Points                   |
|-----------------------|--------------------------|
| 40                    | Prerequisite (no points) |
| 41 - 44               | 1                        |
| 45 - 49               | 2                        |
| 50 - 53               | 3                        |
| 54 - 57               | 4                        |
| 58 - 61               | 5                        |
| 62 - 66               | 6                        |
| 67 - 70               | 7                        |
| 71 - 74               | 8                        |
| 75 - 79               | 9                        |
| 80 - 83               | 10                       |
| 84 - 87               | 11                       |
| 88 - 91               | 12                       |
| 92 - 96               | 13                       |
| 97 - 100              | 14                       |

#### Performance Score Calculation

To calculate Energy and GHG Performance Score, the following data is required:

1. Annual energy consumption from all sectors along with the source of energy.
2. Emissions co-efficient for electricity and all fuel types.
3. Total population of the city.

\* Protocols accepted for GHG inventory:

2006 IPCC Guidelines for National Greenhouse Gas Inventories (Intergovernmental Panel on Climate Change (IPCC)), Baseline Emissions Inventory/Monitoring Emissions Inventory methodology (BEI), (Covenant of Mayors). Bilan Carbone (Association Bilan Carbone (ABC)), Global Protocol for Community-Scale Greenhouse Gas Emission

Inventories (GPC), Greenhouse Gas Inventory & Research Center of Korea (GIR), International Local Government Greenhouse Gas Emissions Analysis Protocol (IEAP) (ICLEI – Local Governments for Sustainability USA), International Standard for Determining Greenhouse Gas Emissions for Cities (UNEP and World Bank), PAS 2070: Specification for the assessment of greenhouse gas emissions of a city (British Standards Institute (BSI)), U.S. Community Protocol for Accounting and Reporting of Greenhouse Gas Emissions (ICLEI – Local Governments for Sustainability USA), GHG Protocol for Cities (Greenhouse Gas Protocol).

## EN CREDIT: ENERGY EFFICIENCY

This credit applies to

- Cities (1-4 points)

### Intent

To improve energy efficiency in the city.

### Requirements

Achieve any of the following options for a total of up to 4 points:

#### Option 1. Energy Audit and Energy Conservation (1-4 points)

Attempt any one or more of the following requirements for a total of up to 4 points:

##### 1. Building Performance Disclosure (1 point)

- Track, benchmark, and report energy consumption data of city owned and operated buildings using a platform or tool such as ENERGY STAR Portfolio Manager, Arc Skoru, or a locally developed and recognized tool.
- Include a minimum of 50% of the buildings owned or operated by the city that are 10,000 square feet (930 square meters) or greater. Reporting year must be within the most recent 5-year period.

##### 2. Energy Audit (1 point)

Identify city owned buildings falling in the top 25% tier of energy consumption. Submit an energy audit report of the identified buildings.

The energy audit must meet both the requirements of the ASHRAE preliminary energy use analysis and an ASHRAE Level 1 walk-through assessment identified in the ASHRAE Procedures for Commercial Building Energy Audits or equivalent. Audit must be conducted within the last 10 years.

##### 3. Energy conservation (1-3 points)

Demonstrate reduction in energy use in all buildings owned and operated by the city. Energy use reduction is calculated based on baseline energy use based on an energy audit/ industry “standard practice” / existing codes, standards, or regulatory requirements / published data. Points are awarded as per table below.

Table 1: Points awarded for reduction in energy use

| % reduction in energy use | Points |
|---------------------------|--------|
| 10 %                      | 1      |
| 15 %                      | 2      |
| 20 %                      | 3      |

AND/OR

#### ► Privately owned buildings (1 point)

- Adopt a program that requires disclosure of energy data from privately owned buildings in the city. Disclosure may be to the public, the governing entity, and/or specific users of the building, such as tenants, prospective tenants, potential buyers, or potential lenders.

- At a minimum, all privately owned nonresidential or multi-family buildings with a gross area of more than 20,000 square feet (1858 square meters), excluding parking, must be included. The data year reported for active programs must be from within the most recent 5-year period.
- The program must include (i) a legally-enforceable policy or ordinance approved by the local governing body and (ii) a mechanism for reporting, a platform for disclosing individual or aggregated data, such as ENERGY STAR Portfolio Manager, Arc Skoru, or a locally developed and recognized tool, and an annual program report.

#### Option 2. Street Lighting and Public Area Lighting (1-2 points)

Provide efficient street lighting and public area lighting in the city. The lamps should have a minimum Luminous Efficacy of 100 lumens per watt. Points are awarded according to the table given below:

Table 2: Points awarded for efficient street lighting and public area lighting

| % streetlighting and public area lighting | Points |
|-------------------------------------------|--------|
| 35%                                       | 1      |
| 70%                                       | 2      |

#### Option 3. Water and Wastewater (1-2 points)

Demonstrate reduction in the energy intensity of water and wastewater systems, including water supply pumping, treatment, distribution as well as wastewater pumping, and treatment, from a baseline year no more than five years prior to the most recent reporting year. Points are awarded as per the table below.

Table 3: Points awarded for water and wastewater systems

| % Reduction | Points |
|-------------|--------|
| 10%         | 1      |
| 20%         | 2      |

Note that energy for water monitoring systems is not included in the above calculations.

#### Option 4. District Energy System (1-2 points)

Incorporate a district energy system (DES) and determine the percentage of city's electric, cooling and/or heating load or demand serviced by the DES using the following formula. Single-family residential buildings may be excluded from the calculation.

$$\% \text{ District Energy} = \% H_{DES} + \% C_{DES} + \% E_{DES}$$

Where:

$\%H_{DES}$ : Percentage of city's heating load or demand supplied by DES

$\%C_{DES}$ : Percentage of city's cooling load or demand supplied by DES

$\%E_{DES}$ : Percentage of city's electric load or demand supplied by DES

Points are awarded based on percentage of city load supplied by district energy resources according to table given below.

Table 4: Points for District Energy Systems

| % District Energy | Points |
|-------------------|--------|
| 80 %              | 1      |
| 160 %             | 2      |

For the purposes of this credit, a District Energy Systems (DES) is a heating and/or cooling system that produces steam, hot water, and/or chilled water in a centralized plant often using cogeneration or tri-generation and distributes this energy to multiple buildings.

Community scale DES systems do not qualify for this point under the LEED for Cities rating system.

**Option 5. Energy Efficiency Programs and Policies (1 point)**

Adopt any three of the following energy efficiency programs targeting residents and/or businesses in the city:

- Energy and building code-related training and education for builders, inspectors, and other key stakeholders.
- Energy efficiency and resource conservation education and outreach programs for residents and businesses.
- Loans and financing programs, such as Property Assessed Clean Energy (PACE) Bonds or other loans for Energy Efficiency Retrofits and Upgrades.
- Energy audits and assessments or energy disclosure requirements.
- Energy efficiency programs specifically targeted to support low-income, or other underserved population in the city.

## EN CREDIT: RENEWABLE ENERGY

This credit applies to

- Cities (1-6 points)

### Intent

To transition the local energy supply towards renewables.

### Requirements

Attempt any of the following options for a total of up to 6 points:

#### Option 1. Renewable Energy in Electricity Supply (1-6 points)

Cities may choose one or more strategies for procuring renewable energy (such as solar PV, wind, geothermal, micro or small-scale hydro\*, or biomass) from the categories below. Points are based on total electricity supply met by renewable energy.

\*Small hydroelectric is limited to capacity of 30 MW or as per national standard.

Categories for renewable energy:

- **Local renewables**
  - Power generated from locally installed renewables (by the city, utility, consumers, or prosumers such as community solar PV, wind, geothermal, micro or small-scale hydro, biomass)
- **Off-site/imported renewables**
  - Off-site renewable electricity that is procured or contracted by the city or utility.
  - Green-e Energy certification or equivalent is required for delivery of EACs.

Environmental benefits of all procurement must be retained by the city or utility. All off-site qualifying resources must be contracted, owned, or leased for at least 15 years.

Points are awarded according to table given below.

Table 1: Points for Renewable Energy use in city.

| Points | % Renewable Energy |
|--------|--------------------|
| 1      | 5%                 |
| 2      | 10%                |
| 3      | 20%                |
| 4      | 40%                |
| 5      | 50%                |
| 6      | 60%                |

#### Option 2. Renewable Energy in Total Energy Consumption (1 point)

Measure and report the share of renewable energy (such as solar PV, wind, geothermal, micro or small-scale hydro, or biomass) as percentage of total energy (thermal and electricity) consumption of the city. Report data available for most recent year within the last five years.

\*Small hydroelectric is limited to capacity of 30 MW or as per national standard.

### **Option 3. Renewable Energy Programs and Policies (2 points)**

Adopt strategies, policies, or programs in partnership with entities outside the city's control such as utilities, regulators, legislators, and Independent System Operators/Regional Transmission Organizations, as appropriate to increase the share of renewables in energy supply by supporting any two of the following:

- Distributed renewables: Solar, wind, geothermal and other distributed renewables.
- Community solar projects: Midsized solar projects (i.e., 1–10 megawatts ) sited within the customer's utility service territory and connected to the distribution grid.
- Off-site physical Power Purchase Agreements: Contracts in which a customer agrees to purchase the energy produced by a generator over a period of time for a predetermined price per unit of energy, such as a megawatt-hour (MWh).
- Off-site virtual Power Purchase Agreements: Financial arrangements between a developer and the buyer which guarantees a cash flow for the renewable energy project based on output.
- Green tariffs: Utility price structure that allow a class of customers to source up to 100% of their electricity from renewable resources.
- Community Choice Aggregation: These programs allow local governments to procure power on behalf of their residents, businesses, and municipal accounts from an alternative supplier while still receiving transmission and distribution service from their existing utility provider.

Note that option 3 cannot be attempted if option 1 is attempted.

## EN CREDIT: NET-ZERO CARBON AND CLIMATE ACTION

This credit applies to

- Cities (1-4 points)

### Intent

To progress towards carbon neutrality by decoupling economic growth of the city from greenhouse gas emissions and adapt to a changing climate through mitigation and adaptation efforts.

### Requirements

Achieve any of the following options for a total of up to 4 points:

#### Option 1. City-wide Carbon Neutrality Accountability (2 points)

Demonstrate incremental progress towards achieving net-zero city-wide greenhouse gas emissions by 2050, in line with global efforts to limit warming to 1.5°Celsius.

#### Option 2. Climate Action Plan (2 points)

Adopt a climate action plan based on science-based targets and designed to accelerate reduction of GHG emissions throughout the city. Plan must meet the following requirements:

- Emissions profile (including scope 1, and 2. Include Scope 3, if available), focus areas, sector wise climate goals, and interim targets.
- Adaptation and mitigation strategies, and possible finance mechanisms for execution.
- Monitoring, evaluation, and reporting framework.

Describe stakeholder engagement activities, and integration of principles of equity & inclusivity in the plan development process.

#### Option 3. Reduction in Carbon Intensity (1 point)

Demonstrate reduction from a baseline year no more than five years prior to the most recent reporting year in the Carbon Intensity of the city.

$$\text{GHG Intensity} = \text{Total GHG of the city} / \text{Total GDP}$$

Calculate the total GHG emissions emitted by the city or community per unit economic output measured in Gross Domestic Product (GDP) produced by the city. Total GHG emissions for the performance year must be as per *EN Prerequisite Energy and Greenhouse Gas Emissions Performance*.

GDP of the city must include the increase in GDP of the region due to the economic activities within the city or community. Data at city level or apportioned metro or state level data must be used.

## EN CREDIT: GRID HARMONIZATION

This credit applies to

- Cities (2 points)

### Intent

To improve operational efficiency of the energy system and encourage consumer participation in energy use optimization.

### Requirements

Attempt any one of the following options:

#### Option 1. Load Management (2 points)

Have in place (or initiate dialogue with utility to be committed to) infrastructure and programs that provide access to dynamic pricing for metered users to motivate load shifting. Rate structures must be clearly defined, communicated to metered users in a standard format, and easily accessible. At minimum, have a tariff scheme that offers Time of Use pricing with at least one time block and two tiers for all consumers (residential, commercial, and industrial consumer categories at minimum).

#### Option 2. Demand Response (2 points)

Have in place (or initiate dialogue with utility to be committed to) tariff options that support short-term reduction in peak demand. Have in place following tariff structures for residential, commercial and industrial consumer categories at minimum:

- Critical Peak Pricing
- Critical Peak Rebate

#### Option 3. Net Metering and Interconnection Policy (2 points)

Adopt (or be committed to) an Interconnection and Net metering policy. The policy should meet the following requirements that are based on the Standard for Interconnecting Distributed Resources with Electric Power Systems, by Institute of Electrical and Electronics Engineers 1547-2003 or local equivalent.

- Applicability to all renewable generation and energy storage technologies (Distributed Power sources, Electric Vehicles).
- System capacity of 100 kW or more
- Incorporate the following best practices for Interconnection Policies:
  - Provisions for a fast track, low-cost interconnection process for customers with generation capacity of 100 kW or less (Distributed Power sources, Electric Vehicles).
  - Defined timelines and an engineering fee structure for various stages of the process.
  - Identification of technical standards for interconnection of generation systems (Distributed Power sources, Electric Vehicles).
- Incorporate at least three of the following best practices for Net Metering Policies:
  - Monthly rollover of excess energy to be permitted up to one year.
  - Compensation is provided for excess energy at predefined, nonzero rates.
  - Ownership of renewable energy certificates is offered to the customer.
  - Third-party ownership and meter aggregation are permitted.

# MATERIALS AND RESOURCES (MR)

## MR PREREQUISITE: SOLID WASTE MANAGEMENT

This prerequisite applies to

- Cities

### Intent

To effectively and efficiently manage waste in the city.

### Requirements

Meet the following requirements:

#### Access to Waste Management Services

##### Case 1. Waste Management Services

Demonstrate that all sectors in the city can receive waste management services for municipal solid waste through some combination of service offered by the local government or third parties.

##### Case 2. Commitment to Waste Management Services

For cities that cannot demonstrate that all sectors can receive waste management services, provide a roadmap for achieving the same within 5 years of certification.

AND

#### Solid Waste Management

Provide a solid waste management plan or a combination of individual plans, ordinances, regulations, or policies, adopted or updated within the last five years. Describe the city's waste collection, segregation, recycling, composting, and waste recovery strategies and processes.

Meet the following requirements:

- Waste must be segregated at source or at Material Recovery Facility through a central processing system.
- Sorting must be done into minimum four categories - organic, recyclables, electronic waste (e-waste), and others as applicable for the city.
- The landfill must meet all requirements of the U.S. EPA Landfill Manual or local, state, or national regulations.

## MR PREREQUISITE: WASTE PERFORMANCE

This prerequisite applies to

- Cities (1-4 points)

### Intent

To support waste management and move towards net zero waste.

### Requirements

Measure the total weight of waste (in lbs., kg, or tons) that is generated, and the total weight that is diverted from landfills or incineration for one whole calendar year within the last five years. LEED points are based on waste performance in Arc across two metrics:

- Municipal solid waste generated (in metric tons per year per capita)
- Municipal solid waste diverted (% of total generated)

Municipal solid waste (MSW) generated must include waste generation from all sectors within the city including but not limited to residential, institutional, commercial, other sectors and open spaces. Exclude construction, deconstruction, and demolition waste, land clearing debris, soil and landscaping materials. Incineration does not count as waste diversion method.

Obtain a minimum waste performance score of 40. Additional points for this prerequisite are awarded for waste performance scores above 40, according to table below.

Table 1: LEED points for Waste Performance

| Waste Performance Score in Arc | Points       |
|--------------------------------|--------------|
| 40                             | Prerequisite |
| 41 - 55                        | 1            |
| 56 - 70                        | 2            |
| 71 - 85                        | 3            |
| 86 - 100                       | 4            |

### Performance Score Calculation

To calculate the Waste Performance Score, following data is required:

1. Municipal solid waste generated (lbs., kg, or tons)
2. Municipal solid waste diverted (lbs., kg, or tons)
3. Total population of the city. Document the assumptions for differing diurnal and seasonal population if varying numbers are used to arrive at waste generation per capita.

## MR CREDIT: SPECIAL WASTE STREAMS MANAGEMENT

This credit applies to

- Cities (1 point)

### Intent

To divert special waste streams from landfill and incinerators and recover and recycle reusable materials.

### Requirements

Measure and report the total weight of waste generated under hazardous waste and any two special waste streams mentioned below, and the total of such waste diverted from landfill or incineration. Report data available for most recent calendar year within the past five years.

Special waste streams: Non-municipal solid waste generated within the city, including industrial, electronic, agricultural, chemical, bio-medical, hazardous, pre-consumer food waste, and/or construction, deconstruction and demolition waste.

Provide details on strategies adopted for recovery/recycling of the special waste streams.

## MR CREDIT: RESPONSIBLE PROCUREMENT

This credit applies to

- ▶ Cities (1 point)

### Intent

To rethink the entire approach to purchasing, and encourage use of products and materials that have environmentally, economically, and socially preferable life-cycle impacts.

### Requirements

Achieve any one of the following options:

#### Option 1: Sustainable Procurement Policy (1 point)

Demonstrate that the city has adopted a sustainable procurement policy that:

- ▶ Mandates purchasing reused or repurposed materials and/or materials manufactured by local vendors as the default action for all major purchasing decisions.
- ▶ Requires publication of an annual progress report on city's sustainable purchasing activities, accomplishments, and impacts to demonstrate how it is leading by example.

#### Option 2: Embodied Carbon Reduction (1 point)

Meet the following requirements:

- ▶ Adopt a policy or amendment to the building code mandating either prescriptive or performance-based reductions in embodied carbon emissions in buildings and/or infrastructure projects. Policy should cover at least one of the following materials: concrete, steel, and glass.
- ▶ Publish an annual progress report detailing the activities, accomplishments, and impacts of the policy-approach taken above, demonstrating how the practice is leading to positive change in outcomes or outputs.

#### Option 3: Design for Disassembly (1 point)

Meet the following requirements:

- ▶ Adopt a policy or amendment that all municipal construction projects should have material passports detailing all products, components, and raw materials present in a building to foster the concept of buildings as material banks, maximizing the reuse of materials and design for disassembly.
- ▶ Publish an annual progress report detailing the activities, accomplishments, and impacts of the policy-approach taken above, demonstrating how the practice is leading to positive change in outcomes or outputs.

## MR CREDIT: MATERIAL RECOVERY

This credit applies to

- ▶ Cities (1-3 points)

### Intent

To recover materials from the waste stream which have a high value and provide mechanism for the reuse, repair, remanufacturing, repurposing, collection, and recycling of such materials thereby moving towards a circular economy.

### Requirements

Attempt any of the following options for a total of up to 3 points.

#### Option 1: Laws, Regulations and Programs Supporting Material Conservation (1 point)

Demonstrate that the city has adopted a combination of laws, regulations and programs to meet the following requirements:

- ▶ Limit disposal of materials that could be reused or repurposed.
- ▶ Incentivize or mandate reuse or repurposing of such materials.
- ▶ Embody tax and/or fee structures that favor reuse and repurposing over disposal.

#### Option 2: Non-recyclable Waste Generation Reporting (1 point)

Meet the following requirements:

- ▶ Conduct a waste stream audit/study for all non-recyclable waste generated within the city, by either weight or volume.
- ▶ Based on the waste stream study, identify and list top five major contributing waste producers.
- ▶ Report major contribution based on source and total weight or volume of waste generated.
- ▶ Initiate a dialogue with identified producers to take appropriate measures for the safe collection, storage and recycling/reuse to take back product into the system.

#### Option 3: Repair/Reuse Awareness and Education (1 point)

Meet any two of the following requirements:

- ▶ Working with nonprofit, trades, and commercial partners, develop an awareness and education campaign around reuse, repair and reimagining waste.
- ▶ Maintain a network of skilled volunteers who are repairing electronics and appliances, mending, altering and hemming fabrics and clothing, or conducting other similar activities.
- ▶ Conduct training for such activities, including through regular community-based workshops. Maintain one or more programs to accept, repair and resell items.
- ▶ Calculate and report at least annually the number of items processed through such activities, the number of and attendance at workshops conducted, and the number of items repaired and resold.

#### Option 4: Reuse Centers & Drop Off Facilities (1 point)

Provide reuse centers and drop off facilities that offer at least two of the following:

- ▶ Material drop-off services for reusable building materials and other household items.
- ▶ Material pickup services for large projects.
- ▶ Sales or storefront for individuals and businesses looking for building materials.
- ▶ Information and assistance with deconstruction projects.
- ▶ Repair, remanufacturing, and recycling facilities.

## MR CREDIT: SMART WASTE MANAGEMENT SYSTEMS

This credit applies to

- Cities (1 point)

### Intent

To improve operational efficiency of the waste management system.

### Requirements

Adopt smart waste management strategies or solutions to handle a minimum of 20% of the waste generated within the city.

Indicative list of strategies:

- Pneumatic transport systems
- Smart bins with sensor-based technology
- Image-based or weight based trash can sensors
- Route optimization using intelligent waste management platform

# QUALITY OF LIFE (QL)

## QL PREREQUISITE: DEMOGRAPHIC & SOCIAL EQUITY ASSESSMENT

This prerequisite applies to

- Cities

### Intent

To understand the population demographics, socio-economic conditions, community assets, and housing characteristics of the area to reveal potential disparities among socio-cultural groups or neighborhoods.

### Requirements

Conduct a demographic and social equity assessment for the city that addresses the following categories:

- Demographic and socio-economic characteristics: Age cohorts; race/ethnic composition; other prominent sociocultural groups present, such as migrants, religious groups, and linguistically isolated; people with disabilities, median household income and proportion of residents living below poverty line; education attainment (people with less than high school education).
- History of housing and neighborhood development: Brief history of development noting critical points of change for the overall city or specific neighborhoods; housing market analysis; information on unhoused population.
- Distribution of social infrastructure, assets, and services: Parks, libraries, recreation centers, schools, fire stations, police stations, hospitals/health services, internet (broadband) connectivity, and supermarket/grocery stores with a produce section.

Provide a series of maps (or interactive layers) showing distribution of social infrastructure, assets, and services. Address disparities in distribution and access as well as concentrations of issues of concern. Explain how these findings will be used in future planning and decision-making.

## QL PREREQUISITE: QUALITY OF LIFE PERFORMANCE

This prerequisite applies to

- ▶ Cities (1-6 points)

### Intent

To support and elevate the quality of life and standard of living of all people.

### Requirements

Measure all of the Quality of Life parameters listed below for one whole calendar year within the last five years.

Points are based on city's performance in Arc combined across four categories – Education, Equitability, Prosperity, and Health and Safety.

#### 1. Education

- ▶ Population with (at least) a High School Degree – Percentage of adult population
- ▶ Population with (at least) a Bachelor's Degree – Percentage of adult population

#### 2. Equitability

- ▶ Median Gross Rent as a % of Household Income
- ▶ Gini Coefficient – A number between 0 and 1

#### 3. Prosperity

- ▶ Median Household Income – Median household income in equivalent US dollars
- ▶ Unemployment Rate – Percent of population 16 years and over

#### 4. Health and Safety

- ▶ Median Air Quality Index (AQI) – A number between 0 and 500
- ▶ Air Quality Days Unhealthy for Sensitive Groups – Number of days
- ▶ Violent Crime – per year per capita

Obtain a minimum Quality of Life Performance score of 40 on Arc. Additional points for this prerequisite are awarded for Quality of Life Performance Scores above 40, according to table below.

Table 1: LEED Points for Quality of Life Performance

| Quality of Life Performance score in Arc | Points       |
|------------------------------------------|--------------|
| 40                                       | Prerequisite |
| 41 - 50                                  | 1            |
| 51 - 60                                  | 2            |
| 61 - 70                                  | 3            |
| 71 - 80                                  | 4            |
| 81 - 90                                  | 5            |
| 91 - 100                                 | 6            |

## QL CREDIT: SOCIAL SERVICES & INFRASTRUCTURE

This credit applies to

- Cities (1-3 points)

### Intent

To provide facilities and services to residents that help meet their social needs, maximize their potential for human development, and enhance community well-being.

### Requirements

Achieve any of the following options for a total of up to 3 points:

#### Option 1. Community Needs Assessment (1 point)

Conduct a community needs assessment at the neighborhood level to identify priority social service and infrastructure needs, with a focus on the city's vulnerable populations.

Demonstrate that the city has used the results of the community needs assessment to positively affect change through implementation of policy, program, or practice throughout the city.

#### Option 2. Equitable Access to Social Infrastructure (2 points)

Demonstrate that at least four social infrastructure assets or services are as accessible to any two or more neighborhoods with the highest percentage of low-income residents and people of color as they are to the city as a whole.

Use the data from the Demographic and Social Equity Assessment prerequisite to identify social infrastructure, assets, and services.

#### Option 3. Community Cohesion (1 point)

Meet any one of the following requirements:

- Demonstrate that at least 80% of residents live within 1 mile radius of a community venue that is open to the public and offers free services and/or events for residents.
- Demonstrate that 51% or more of residents believe they are able to have a positive impact on their community based on local survey.
- Demonstrate that at least 80% of residents report positive levels of neighborhood cohesion based on a local survey.
- Demonstrate that at least 35% of residents volunteered based on a local survey.

Local surveys must be conducted within five years of the certification year.

#### Option 4. Public Engagement (1 point)

Meet the following requirements:

- ▶ Implement both high-tech and high-touch on-going engagement techniques that respect the differing abilities of residents to commit time to the process, to gain access to the background materials, to travel to meeting locations, and other factors.
- ▶ Demonstrate that public engagement techniques include practices that intentionally and directly engage all residents, including traditionally unrepresented or underrepresented groups, through inclusive, context-sensitive, and transparent decision-making processes.
- ▶ Ensure that appointments to local advisory boards and commissions reflect the gender, racial, and ethnic diversity of the city.

## QL CREDIT: ECONOMIC GROWTH & OPPORTUNITY

This credit applies to

- Cities (1-3 points)

### Intent

To promote inclusive, equitable, economic growth and prosperity.

### Requirements

Achieve any of the following options for a total of up to 3 points:

#### Option 1. Income Distribution (1 point)

Demonstrate that the median earnings of workers by gender, and top 3 racial/ethnic groups (by population) are within 5 percentage points of the overall median earnings value.

#### Option 2. Workforce Readiness (1 point)

Demonstrate that the post-secondary educational attainment of the population aged 25 and older by gender and top 3 racial/ethnic groups (by population) is within 5 percentage points of the overall post-secondary educational attainment.

Post-secondary educational attainment includes high-quality credentials and associate, bachelor, and graduate/professional degrees.

#### Option 3. Equitable Employment (1 point)

Demonstrate that the unemployment rate by gender, and top 3 racial/ethnic groups (by population) is within 5 percentage points of the overall unemployment rate.

#### Option 4. Strategies to strengthen economic prosperity (1 point)

Adopt any three of the following strategies:

- Promote and participate in project labor agreements, community benefits agreements, and local hiring agreements.
- Appoint an advisory body representing the business community to collaborate on economic equity and improve economic conditions. The advisory body should be made up of community business representatives and, have a formal role in advising the local government on business community trends, conditions, and activities.
- Provide job training and assistance programs tailored to the needs of the local workforce and small businesses.
- Provide focused support, resources, and services to locally owned, early-stage companies through business incubators.
- Provide financial literacy, money management and banking programs or services for low-income residents.

## QL CREDIT: ENVIRONMENTAL JUSTICE

This credit applies to

- ▶ Cities (1 point)

### Intent

To ensure equitable protection from environmental pollution.

### Requirements

Achieve any one of the following options:

#### Option 1: Reducing Environmental Justice (EJ) Risks and Exposure (1 point)

Identify priority environmental justice conditions and priority areas for evaluation.

Demonstrate reduction in risks and exposure to the potential impacts of priority environmental justice conditions for priority areas in the last 5 years from the year of certification.

#### Option 2: Strategies to reduce Environmental Justice (EJ) risk and vulnerability (1 point)

Meet any three of the following requirements:

- ▶ Conduct a comprehensive EJ assessment that includes data collection, extensive public engagement, and the identification of trends and issues.
- ▶ Create an Environmental Justice Collaborative Group and integrate into governmental planning and decision-making processes.
- ▶ Provide information and education to the public regarding EJ conditions and available programs and services to alleviate disproportionate impact.
- ▶ Incorporate EJ criteria and priorities into zoning, land use planning, permitting policies and development of new projects.
- ▶ Create community benefits agreements for EJ site remediation projects and/or proposed development projects with EJ concerns.
- ▶ Monitor and enforce environmental regulations for existing facilities that impact prioritized EJ sites and overburdened neighborhoods.
- ▶ Implement projects to reduce exposure to contaminants and risks associated with EJ conditions.

## QL CREDIT: HOUSING AND TRANSPORTATION AFFORDABILITY

This credit applies to

- Cities (1-2 points)

### Intent

To provide an adequate and diverse supply of location-efficient and affordable housing options.

### Requirements

Demonstrate the delivery of high quality services for the unhoused population related to short-term emergency shelter options and permanent housing solutions in coordination with non-governmental service providers.

AND

Achieve any of the following options for a total of up to 2 points:

#### Option 1. Comprehensive Housing Policy (1 point)

Conduct a housing needs assessment addressing housing supply affordability, diversity of housing stock by unit and ownership type, community demographics, fair housing practices, and displacement risk assessment for new projects as applicable.

AND

Adopt a comprehensive housing policy that addresses a minimum of three of the following elements

- Programs or code enforcement ensuring healthy housing standards for both rental and owner-occupied units;
- Land policies ensuring transparency, fairness, and equitable balance towards achieving housing for all.
- Programs or policies that incentivize higher density (12 DU per acre) within ¼ mile (400 meters) of walking distance to public transit stations;
- Program to incentivize, or subsidize affordable housing in transit served areas and identified compact and mixed-use areas
- Programs to preserve and maintain existing subsidized and unsubsidized affordable rental housing in transit served areas, compact and mixed-use areas, and areas with rapidly rising housing costs
- Tenant protection regulations to protect renters by establishing rent control and just cause requirements for evictions

#### Option 2. Housing and Transportation Costs (1 point)

Demonstrate that at least 60% of households spend less than 45% on housing and transportation combined.

#### Option 3. Affordable Housing Production (1 point)

Demonstrate that new affordable housing units are being produced at an annual rate of 5% or at the targeted rate by the local government or the development authority, whichever is stringent

#### Option 4. Affordable Rental Housing Preservation (1 point)

Demonstrate that the number of subsidized affordable housing units is equal to or more from a baseline year no more than five years prior to the most recent reporting year.

## QL CREDIT: PUBLIC HEALTH

This credit applies to

- ▶ Cities (1-3 points)

### Intent

To promote positive public health outcomes and reduce health risk factors.

### Requirements

Achieve any of the following options for a total of up to 3 points:

#### Option 1. Public Health Metrics (1-2 points)

Select any three (for 1 point) or six (for 2 points) metrics from the following categories and demonstrate an improving trend from a baseline year no more than five years prior to the most recent reporting year:

Health outcomes:

- ▶ Number of poor physical health days
- ▶ Number of poor mental health days
- ▶ Number of persons affected by communicable diseases
- ▶ Number of persons affected by non-communicable diseases

Mortality measures:

- ▶ Average life expectancy
- ▶ Number of premature deaths
- ▶ Infant Mortality Rate
- ▶ Maternal Mortality Ratio
- ▶ Number of low-birth-weight infants

Health risk factors:

- ▶ Percentage of population with tobacco use
- ▶ Percentage of population who have a Body Mass Index of more than 30

Access to healthcare:

- ▶ Percentage of people covered under health insurance
- ▶ Ratio of population to primary care physicians
- ▶ Ratio of population to secondary care specialists
- ▶ Ratio of population to number of beds in tertiary care hospitals

#### Option 2. Policies for better public health (1 point):

Demonstrate adoption of any two of the following policies, and programs to improve public health:

- ▶ Affordable food access and nutrition in underserved areas, and low-income neighborhoods.
- ▶ Community health improvement plan: Include policies, strategies, and interventions to address health issues and deliver better health services; and identify roles and responsibilities for community stakeholders other than the local health department and health care providers.
- ▶ Provision of medical and/or mental health services in underserved areas, low-income neighborhoods, and broader community.
- ▶ 100% smoking free public spaces.
- ▶ Restrictions on marketing sugary drinks and/or unhealthy foods.

- ▶ Healthy public food procurement policy which includes all food procured by the city and served at the city run institutions and events.

### **Option 3. Protect Air Quality (1 point)**

Demonstrate 10% reduction in the annual number of days in which the Air Quality Index (AQI) exceeds 100 from a baseline year no more than five years prior to the most recent reporting year.

AND

Demonstrate compliance with any two of the following:

- ▶ Adopt and implement anti idling regulations.
- ▶ Implement public outreach programs intended to raise awareness of air quality issues and change behavior.
- ▶ Implement targeted programs to encourage use of equipment with low emissions.
- ▶ Collaboration with high polluters such as industries for voluntary emissions reductions beyond the mandatory requirements as per the standards.

### **Option 4. Protect Noise Quality (1 point)**

Demonstrate that daytime ambient noise levels do not exceed 55 dBA in residential areas. Use data from no more than five years prior to the most recent reporting year.

AND

Adopt a community noise policy/ordinance/regulation including any two of the following requirements:

- ▶ Promote quieter public refuse service vehicles.
- ▶ Prohibit excessive continuous or intermittent noise from industrial, commercial and construction activities adjacent to residential areas through time restrictions.
- ▶ Prepare and maintain a noise map of the city which is updated every 5 years, indicating noise sources (sectors, transportation, any other), factors affecting sound propagation, and quiet areas in the city.
- ▶ Delineate enforcement duties, and corrective measures in case of noncompliance with the regulations.
- ▶ Control noise from specific sources such as industries, recreational spaces, and highways through provision of sound barriers.
- ▶ Provide warning signage in quiet zones, and noise hazard zones as needed.

## QL CREDIT: EDUCATIONAL OPPORTUNITY & ATTAINMENT

This credit applies to

- Cities (1 point)

### Intent

To achieve equitable attainment of quality education for individuals from birth to adulthood.

### Requirements

Achieve any one of the following options:

#### Option 1: Reading Proficiency (1 point)

Demonstrate that at least 85% of third grade (local/regional equivalent may be used for cities outside U.S.) public school students by racial/ethnic groups, genders, and low-income categories meet reading proficiency standards. Use data from no more than five years prior to the most recent reporting year.

#### Option 2: Graduation Rate (1 point)

Demonstrate achievement of a 90% average 4- year adjusted cohort high school graduation rate for all students in all public schools from all racial/ethnic groups, genders, and low income categories. Use data from no more than five years prior to the most recent reporting year.

#### Option 3: Assistance and support programs (1 point):

Meet any three of the following strategies:

- Support school to career transition through internships, mentoring, technical training.
- Provide vocational training opportunities to improve career possibilities.
- Provide summer learning programs for students who need academic assistance and support outside of the school year.
- Provide after school activities, tutoring and/or extended day programs for students who need additional academic assistance outside of the school day.
- Provide no-cost full day kindergarten for low- and moderate-income students.
- Provide local funding or other resources to support comprehensive early childhood education programs in the community, prioritizing the needs of children from low to moderate income households.

## QL CREDIT: CIVIL AND HUMAN RIGHTS

This credit applies to

- Cities (1 point)

### Intent

To uphold a process that ensures the civil and human rights of all people is fundamental.

### Requirements

Meet all of the following requirements:

- Adopt a policy-based mission statement to promote a discrimination free quality of life for all relating to employment, housing, and public accommodations on the basis of race, sex, color, religion, national origin, disability, age, sexual orientation, marital status or familial status and gender identity or expression.
- Adopt initiatives and policies that ensure the voting rights of all eligible voters are protected.
- Appoint a local officer or Commission on Human Rights.
- Establish a DEI (Diversity, equity and inclusion) office to promote and integrate DEI policies, and initiatives in city governance.

# INNOVATION (IN)

## IN CREDIT: INNOVATION

This credit applies to

- Cities (1-6 points)

### Intent

To encourage cities to achieve exceptional or innovative performance.

### Requirements

Achieve any of the following options for a total of up to 6 points. Each option/strategy is equivalent to one point.

#### Option 1. Innovation (1-6 points)

Achieve significant, measurable social, economic, or environmental performance using a strategy not addressed in the LEED for Cities rating system.

Identify all of the following:

- Intent of the proposed innovation credit
- Proposed requirements for compliance
- Proposed submittals to demonstrate compliance
- Design approach or strategies used to meet the requirements.

#### Option 2. Exemplary Performance (1-3 points)

Achieve exemplary performance in any of the eligible LEED for Cities' prerequisites or credits.

#### Option 3. Green Rating Systems and Pilot Credits (1-3 points)

Meet all of the requirements of a prerequisite or credit from any of the below rating system or a pilot credit from [USGBC's LEED for Cities and Communities Pilot Credit Library](#). Credits included in their entirety in the LEED for Cities rating system are not eligible.

- PEER Rating System v2, February 2018
- LEED v4 Transit, November 2018
- LEED Neighborhood Development (ND) v4
- SITES
- WELL

#### Option 4. LEED Accredited Professional (1 point)

At least one principal participant of the project team must be a LEED Accredited Professional (AP) with successful completion of the LEED for Cities & Communities training program.

## RP CREDIT: REGIONAL PRIORITY

This credit applies to

- ▶ Cities (1-4 points)

### Intent

To provide an incentive for the achievement of credits that address geographically specific socio-economic and environmental priorities.

### Requirements

Achieve any of the following options for a total of up to 4 points:

#### Option 1. Regional Priority

One point is awarded for each Regional Priority credit achieved, up to a maximum of four.

- ▶ Identify the credit that is a regional priority. Refer to the credits under Regional Priority Credit Lookup website (<https://www.usgbc.org/rpc>) for credits identified as regional priorities for specific locations. One point is awarded for each Regional Priority credit achieved.

#### Option 2. Locally Identified Regional Priorities (1-4 points)

Demonstrate collaborative work on issues of regional importance such as biodiversity, watershed conservation, climate protection, air and water quality, affordable housing, economic development, and wildfire management.

Identify all of the following:

- ▶ Background and context outlining the regional priority
- ▶ Name and intent of the proposed regional priority credit
- ▶ Proposed requirements for compliance
- ▶ Proposed submittals to demonstrate compliance
- ▶ City's approach or strategies used to meet the requirements.

# Appendices

## APPENDIX 1. Diverse uses

### List of Diverse Uses

| Category                       | Use type                                                                                                         |
|--------------------------------|------------------------------------------------------------------------------------------------------------------|
| Food retail                    | Supermarket                                                                                                      |
|                                | Grocery with produce section                                                                                     |
| Community-serving retail       | Convenience store                                                                                                |
|                                | Farmers market                                                                                                   |
|                                | Hardware store                                                                                                   |
|                                | Pharmacy                                                                                                         |
|                                | Other retail                                                                                                     |
| Services                       | Bank                                                                                                             |
|                                | Family entertainment venue (e.g., theater, sports)                                                               |
|                                | Gym, health club, exercise studio                                                                                |
|                                | Hair care                                                                                                        |
|                                | Laundry, dry cleaner                                                                                             |
|                                | Restaurant, café, diner (excluding those with only drive-thru service)                                           |
| Civic and community facilities | Adult or senior care (licensed)                                                                                  |
|                                | Child care (licensed)                                                                                            |
|                                | Community or recreation center                                                                                   |
|                                | Cultural arts facility (museum, performing arts)                                                                 |
|                                | Education facility (e.g., K—12 school, university, adult education center, vocational school, community college) |
|                                | Government office that serves public on-site                                                                     |
|                                | Medical clinic or office that treats patients                                                                    |
|                                | Place of worship                                                                                                 |
|                                | Police or fire station                                                                                           |
|                                | Post office                                                                                                      |
|                                | Public library                                                                                                   |
|                                | Public park                                                                                                      |
|                                | Social services center                                                                                           |
|                                | Open community spaces such as squares and plazas                                                                 |
| Community anchor uses          | Commercial office                                                                                                |

# Climate Action Plan

## Priorities Table for FY25, 26

| 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 <b>100%</b> of the Town fleet to EVs, hybrids, or use clean fuels <b>by 2037</b> . | 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)<br>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 <b>30% by 2037</b>                             | 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)<br>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)<br>Kayla (Sustainability)            | Not started      |                     |                      |                                                                                                                                                                                                                                                                                       |                    | Innovation, Option 1, pg. 58                                                 |
|                                                            | Strategy M1.3: Reduce off-road emissions in Town Operations by <b>100% by 2037</b>                        | 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 <b>75% by 2037</b> .                               | 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)<br>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)                                      | Not started      | 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 <b>80%</b> of Municipal Energy from Renewable Energy Sources <b>by 2037</b>         | 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 <b>50% by 2037</b>                             | 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)<br>Jesse (Public Works)<br>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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                | <b>Jason (Planning)</b><br>Jesse (Public Works)<br>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              | <b>Charlene (DPR)</b><br>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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                | <b>Charlene (DPR)</b><br>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.) |                | <b>Charlene (DPR)</b><br>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              | <b>Kayla (Sustainability)</b><br>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).                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                | <b>Kayla (Sustainability)</b>                                      | 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                | <b>Kayla (Sustainability)</b>                                      | 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.                                                                                                                                                                                                                                                                                                                                                                                                                 |                | <b>Kayla (Sustainability)</b><br>Jason (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)                      | Not started      | 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) | Not started      |                     |                      |                                                                                                                                                                                     |                    | 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                                      |                                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                                                              |                  |                     |                                 |                                                                                                                                                                                                       |                    |                                                                                                         |
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| 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)                                       | Not started      |                     |                                 |                                                                                                                                                                                                       |                    | 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)<br>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)<br>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)<br>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)<br>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)<br>Jason (Planning)<br>Kayla (Sustainability) | Not started      | 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)<br>Kayla (Sustainability)                     | Not started      |                     |                                 |                                                                                                                                                                                                       |                    | 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)<br>Jason (Planning)<br>Kayla (Sustainability) | Not started      | 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                                                                    |
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| 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)                                 | Not started      | 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)                       | Not started      | 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)                       | Not started      | 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)                                              | Not started      |                     |                      |                                                                                                       |                    | 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                                                    |                                                                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                |                                                                        |                     |                                 |                                                                                                                                                                                 |                                                                                                                                                                                                      |                                                                                  |                                                                                                                                         |
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| 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)                                                | Not started         | 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)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                | Not started                                                            | 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)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                | Not started                                                            | 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)<br>Jesse (PW)                                          | Not started         |                                 |                                                                                                                                                                                 |                                                                                                                                                                                                      |                                                                                  | WE Stormwater Management, Option 2, pg. 29                                                                                              |
|                                                                    |                                                                                                 | Leslie & Charlene (DPR)<br>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)<br>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)<br>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)<br>Andrew (Arborist)                           | In Progress         | Year 1 & 2 Priority             | \$5,000                                                                                                                                                                         | Addition of bee hive at Fisher Farm:<br>Annual maintenance: \$2,200<br>Setup/install one-time fee: \$500<br>Meet the Bees workshops: \$600 each (assume 2)<br>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)<br>Leslie & Charlene (DPR)                                | Not started         |                                 |                                                                                                                                                                                 |                                                                                                                                                                                                      |                                                                                  | 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)<br>Andrew (Arborist)<br>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)<br>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              | <b>Ryan (Fire)</b><br>Kayla (Sustainability)                   | Not started      |                     |                      |                                                                                                                                                                                                       |                    | 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.                                                                                                                                                                                                                                                                                                            |                | <b>Jessica (Communications)</b><br>Kayla (Sustainability)      | Not started      |                     |                      |                                                                                                                                                                                                       |                    | 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.                                                                                                                                                                                              |                | <b>Ryan (Fire)</b><br>Kayla (Sustainability)                   | Not started      |                     |                      |                                                                                                                                                                                                       |                    | NS Resilience Planning, pg. 13-14                                  |
|                                                                      |                                                                              | C1.1.4: Strengthen early warning systems specifically for climate hazards and heat episodes.                                                                                                                                                                                                                                                                                                                                           |                | <b>Jessica (Communications)</b><br>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              | <b>Ryan (Fire)</b>                                             | 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.                                                                                                        |                | <b>Ryan (Fire)</b>                                             | 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.                                                                                                                                                                                                                                                                       |                | <b>Jason (Planning)</b>                                        | 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.                                                                                                                                                                                                                                                                               |                | <b>Alexander (AH)</b><br>Ryan (Fire)<br>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.                                                                                                                                                                                                                                                                                      |                | <b>Kayla (Sustainability)</b>                                  | 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              | <b>Jessica (Communications)</b><br>Ryan (Fire)                 | Not started      | 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.                                                                                                                                                                                                                                                                                                                       |                | <b>Jessica (Communications)</b><br>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. |                | <b>Jessica (Communications)</b>                                | 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

# Climate Action Plan

## Condensed Priorities Table for FY25, 26

| 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 <b>100%</b> of the Town fleet to EVs, hybrids, or use clean fuels <b>by 2037</b> .    | 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)<br>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 M1.3: Reduce off-road emissions in Town Operations by <b>100% by 2037</b>                           | 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 |
| Goal M2: Operate Sustainable Buildings                     | Strategy M2.1: Reduce Municipal Building Energy Use by <b>75% by 2037</b> .                                  | 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)<br>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)                         | Not started      | 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 <b>80%</b> of Municipal Energy from Renewable Energy Sources by <b>2037</b>            | M2.2.2: Implement solar panel installations on town-owned buildings, facilities, and other suitable properties to generate renewable energy.                                                                                                                                                                                                                                                                                                | 3              | Kayla (Sustainability)                         | In Progress      | Year 1 & 2 Priority | \$300,000                       | ARPA funds allocated.                                                                                                                                                                                                                                                                 |                    | EN Renewable Energy, pg. 37                                     |
| Goal M3: Increase Efficiency in Public Street Lighting     | Strategy M3.1: Decrease Energy Usage in Street Lighting by <b>50% by 2037</b>                                | 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                          |
| Goal M4: Reduce Solid Waste in Town Operations             | Strategy M4.1: Reduce Waste to Landfill by <b>75% by 2037</b> 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)<br>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)<br>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                     |
| 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)<br>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                                               |

## 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)                   | Not started      | 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     |
| Goal T2: Reduce City-Wide Vehicle Miles Traveled | Strategy T2.2: Encourage Alternate Commuting Practices in the Community   | 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.                                                            | 2              | Charlene (DPR)<br>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 | E1.1.3: Develop and promote initiatives that encourage renewable energy adoption among residents and businesses, such as group purchasing programs similar to Solarize The Triangle.                                                                                                                                                                                            | 1              | <b>Kayla (Sustainability)</b><br>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                    |
| 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              | <b>Kayla (Sustainability)</b><br>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.                  |
|                                                         | 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              | <b>Alexander (AH)</b><br>Jason (Planning)<br>Kayla (Sustainability) | Not started      | 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                   |
|                                                         |                                                                                         | E2.4.3: 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.                                                                                                                          |                | <b>Alexander (AH)</b><br>Jason (Planning)<br>Kayla (Sustainability) | Not started      | 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   | R1.1.4: 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). | 3              | <b>Charlene (DPR)</b><br>Kim (Ec Dev)           | Not started      | 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'.                                                                                                                                                                   |                | <b>Charlene (DPR)</b><br>Kayla (Sustainability) | Not started      | Year 1 & 2 Priority | \$8,000              | Voluntary leave the leaves campaign.                                                                  |                    | MR Special Waste Stream Management, pg 43;                  |
|                                                                     | 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              | <b>Charlene (DPR)</b><br>Kayla (Sustainability) | Not started      | 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. |

| 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)                   | Not started      | 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                                                                                |  |
|                                                                   |                                                                                                 | G1.1.2 Explore funding opportunities to support land and wildlife conservation efforts, prioritizing land with high conservation value and areas with limited green space to improve livability and improve air quality. Coordinate with natural resources, fish and wildlife, and other appropriate state and local agencies to leverage technical assistance, incentives, and resources. |                | Leslie & Charlene (DPR)                   | Not started      | 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                                                        |  |
|                                                                   |                                                                                                 | G1.1.3: Promote and connect agricultural and open space landowners to incentives and resources for land conservation, carbon sequestration, and soil health, which may include carbon capture and credits, University extension office, USDA, NRCS, Mecklenburg County Farmland Preservation Plan, and similar resources.                                                                  |                | Leslie & Charlene (DPR)                   | Not started      | 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 G3: Engage the Community in Green Initiatives                | Strategy G3.1: Elevate Awareness on Green Benefits and Practices                                | 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.                                                                                                                                           | 3              | 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:<br>Annual maintenance: \$2,200<br>Setup/install one-time fee: \$500<br>Meet the Bees workshops: \$600 each (assume 2)<br>Educational materials: \$1,100 assumed |                    | 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                                                                                             |  |
|                                                                   |                                                                                                 | G4.1.2: Develop a comprehensive Urban Community Forestry Plan incorporating findings from the second Tree Canopy inventory (approximately 3,000 trees total) and two canopy assessments to guide tree canopy management and conservation efforts.                                                                                                                                          |                | 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                                                                                                       |  |

## 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 | C1.1.4: Strengthen early warning systems specifically for climate hazards and heat episodes.                                                                                                                                                                                                                                    | 3              | Jessica (Communications)<br>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                             | C1.2.2: 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. | 3              | 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 |
|                                                                      | 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)<br>Ryan (Fire) | Not started      | 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 |



## **AGENDA MEMO**

**To:** Davidson Board of Commissioners

**From:** Alexander Cahill, Affordable Housing & Equity Director

**Date:** August 13, 2024

**Re:** Discuss a Resolution Authorizing the Town of Davidson to Exercise the Powers, Duties, and Responsibilities of a Housing Authority Pursuant to Housing Authority Law N.C.G.S. § 157

### **ITEM SUMMARY/OVERVIEW**

In lieu of creating a housing authority, the Town Board, if it deems wise, can either designate a redevelopment commission created under the provisions of Chapter 160 of the General Statutes to exercise the powers, duties, and responsibilities of a housing authority, or may itself exercise such powers, duties, and responsibilities. In the event the Town Board designates itself to exercise the powers, duties, and responsibilities of a housing authority, it may assign the administration of the housing programs, developments, and policies to any existing or new department of the Town. Town staff are making a presentation on this potential exercise of powers under N.C.G.S. 157 and what it will enable the Town to do moving forward. After a public hearing is scheduled, the town board will be asked to approve this resolution.

### **ACTION/PROPOSED MOTION**

This item is for discussion only.

### **RELATED TOWN GOALS**

#### **Strategic Plan Alignment**

Affordable Living, Equity & Inclusion - Work together to foster a culture of equity, belonging, inclusion, and advance the Town's Affordable Housing program. Provide, create, and support opportunities for all. Treat everyone with respect, dignity, and recognize every voice.

#### **Core Values**

Davidson's historic mix of people in all income levels and ages is fundamental to our community, so town government will encourage opportunities, services, and infrastructure that allow people of all means to live and work here.

### **NEXT STEPS**

A public hearing must be held and noticed at least 10 days preceding the day on which the hearing is to be held. We seek to hold the public hearing on August 27, 2024, and have the Board vote to approve on the same evening.



**Date:** August 13, 2024

**To:** Town Board of Commissioners

**From:** Alexander D. Cahill, Affordable Housing & Equity Director

**Subject:** N.C.G.S. § 157 Resolution

### **Summary**

In lieu of creating a housing authority, the Town Board may either designate a redevelopment commission created under the provisions of Chapter 160 of the General Statutes to exercise the powers, duties, and responsibilities of a housing authority, or may itself exercise such powers, duties, and responsibilities. In the event the Town Board designates itself to exercise the powers, duties, and responsibilities of a housing authority, it may assign the administration of the housing programs, developments, and policies to any existing or new department of the Town. Town staff are presenting on the potential impacts of such a designation and providing more information in this memo.

### **Background**

The Town of Davidson has a strong history of supporting affordable housing, as noted by its inclusion within both the Davidson Planning Ordinance, the Town's core values, and Strategic Plan. As Davidson continues to innovate and move forward in this space, additional legal authority may be required to advance the Town's strategic goals and priorities of the Town. This resolution seeks to address the supply, subsidy, and stabilization components of an effective affordable housing program.

### **What does this allow the Town to do?**

If the Town Board authorizes the designation under N.C.G.S. § 157, the Town may implement, but is not required to, any of the actions listed below:

- Require affordable units in multi-family rental housing projects. At least twenty percent (20%) of the units in the project must be set aside for the exclusive use of persons of low income (60% or less AMI);
- Rent or lease dwelling accommodations set aside for persons of low income only to persons who lack the amount of income that is necessary to enable them, without financial assistance, to live in decent, safe, and sanitary dwellings;
- Make and execute contracts and other instruments necessary or convenient to the exercise of the powers of the authority;

- Sell, exchange, transfer, assign, or pledge any property real or personal or any interest therein to any person, firm, corporation, municipality, city, or government; to own, hold, clear and improve property for affordable housing development;
- Procure insurance or guarantees from the federal government of the payment of any debts or parts thereof secured by mortgages made or held by the authority on any property included in any housing development;
- Borrow money upon its bonds, notes, debentures or other evidence of indebtedness and to secure the same by pledges of its revenues, and by mortgages upon property held or to be held by it for affordable use;
- In connection with any loan, to agree to limitations upon its right to dispose of any housing development or part thereof or to undertake additional housing developments;
- Lease or rent any dwelling or other accommodations or any of the lands, buildings, structures or facilities embraced in any housing development and to establish and revise the rents or charges;
- Provide for the construction, reconstruction, improvement, alteration or repair of any housing development;
- Take over by purchase, lease or otherwise any housing development located within its boundaries;
- Manage as agent located in whole or in part within its boundaries any housing development constructed or owned by the Town;
- Act as agent for the federal government in connection with the acquisition, construction, operation and/or management of a housing development;
- Investigate living, dwelling and housing conditions and into the means and methods of improving such conditions;
- Determine where unsafe, or insanitary dwelling or housing conditions exist;
- Study and make recommendations in relation to the problem of clearing, replanning and reconstruction of areas in which unsafe or insanitary dwelling or housing conditions exist;
- Prepare, carry out and operate housing developments; and
- Approve, assist, and cooperate with, a nonprofit corporation in providing financing by the issuance by such nonprofit corporation's obligations (which obligations shall not be or be deemed to be indebtedness of a housing authority) for one or more housing developments, specifically including, but not limited to:
  - programs to make construction and other loans to developers or owners of residential housing,
  - to acquire, operate or manage such a housing development
  - to administer federal housing assistance subsidy payments for such projects

### **Process**

The following process is required to be followed in order to designate under N.C.G.S. § 157:

### **Public Hearing**

A public hearing must be held and noticed at least 10 days preceding the day on which the hearing is to be held. We seek to hold the public hearing on **August 27, 2024**, and have the Board vote to approve the resolution on that evening.

### **Findings**

To establish the powers under N.C.G.S 157-4: (1), the Board must determine at least one of the following findings:

- (1) Whether insanitary or unsafe inhabited dwelling accommodations exist in the city and said surrounding area, and/or
- (2) Whether there is a lack of safe or sanitary dwelling accommodations in the city and said surrounding area available for all the inhabitants thereof.

### **Recommendation**

Staff believe the finding is made in congruence with (2) as determined in and by the adoption of the Affordable Housing Needs Assessment. As such, staff recommend the Town Board adopt the resolution.

### **Staff Contact**

Alexander D. Cahill, Affordable Housing & Equity Director, [acahill@townofdavidson.org](mailto:acahill@townofdavidson.org)



# Discuss a Resolution authorizing the Town of Davidson to exercise the powers, duties, and responsibilities of a Housing Authority per NCGS §157

Alexander D. Cahill  
Affordable Housing & Equity Director  
August 13, 2024

[www.townofdavidson.org](http://www.townofdavidson.org)

# Overview/Agenda

- Background
- Timeline
- Summary
- Findings
- Recommendations
- Next Steps
- Discussion

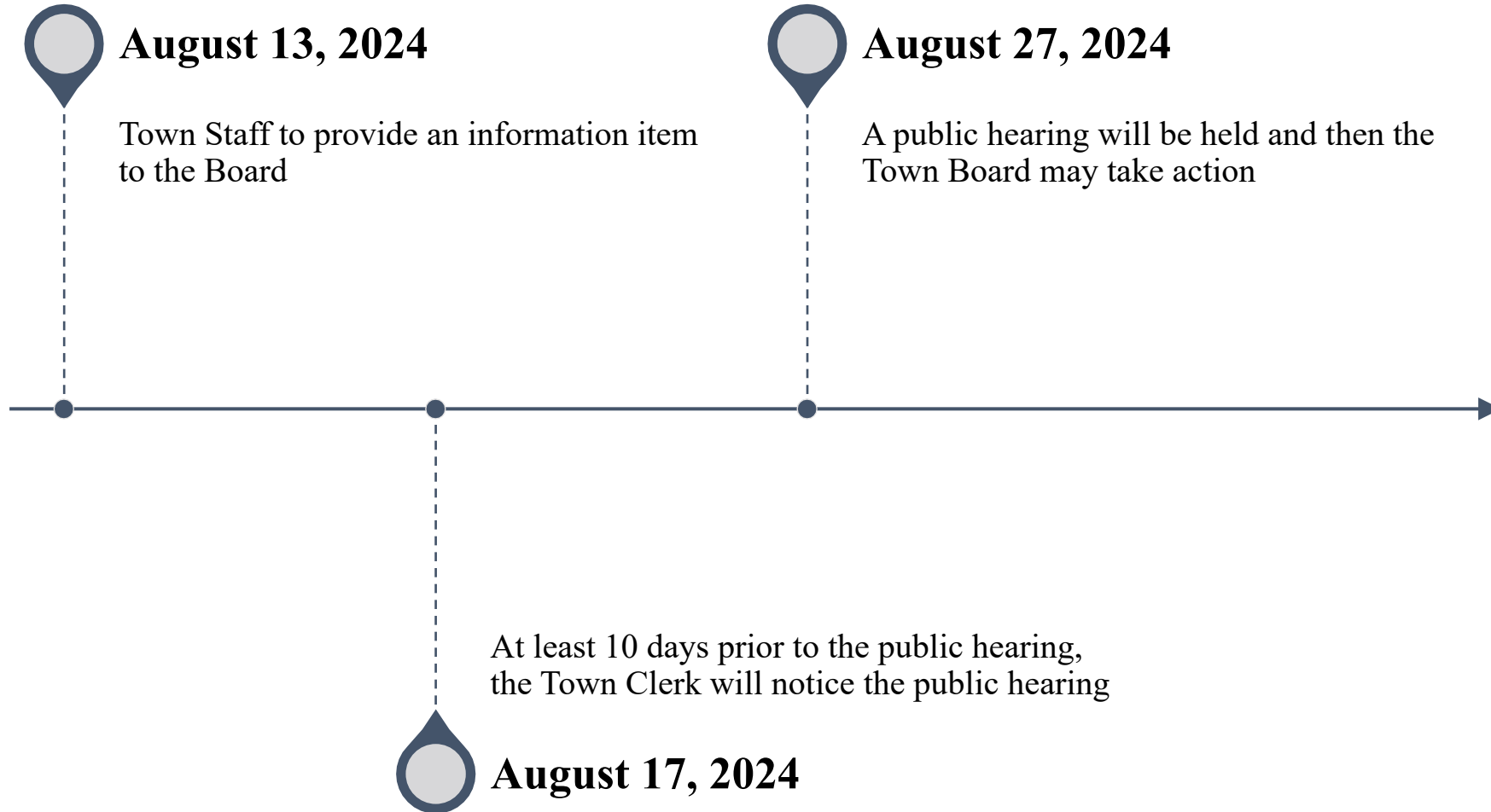
# Background: Implementation Strategy



## AFFORDABLE HOUSING STRATEGIC FRAMEWORK



# Timeline



# What state provision does this occur under?

## Under N.C.G.S. § 157-4.1:

In lieu of creating a housing authority as authorized herein, the council of any city may, if it deems wise, either designate a redevelopment commission created under the provisions of Chapter 160 of the General Statutes to exercise the powers, duties, and responsibilities of a housing authority as prescribed herein, **or may itself exercise such powers, duties, and responsibilities**. Any such designation shall be by passage of a resolution adopted in accordance with the procedure and pursuant to the finding specified in the first and second paragraphs of G.S. 157-4.

In the event the council of the city designates itself to exercise the powers, duties, and responsibilities of a housing authority, it may assign the administration of the housing programs, projects, and policies to any existing or new department of the city.

# Why do this?

- This resolution will ensure that we're operating within the legal guidelines, provide the Town Manager/Town Staff with the authority to act in the best interest of our community members, **and provide additional powers to educate, preserve, create, and support the existing and future affordable housing inventory**
- It will help support financing and innovative methods around developing Town-owned land
- It will allow the Town to be able more flexible in the future as innovation in affordable housing space continues to occur
- It will cement the equity component missing from current affordable housing conversations by creating mechanisms to protect and provide for those at the lowest-income levels
- It will allow us to build equity/affordability into our sustainability program per the Climate Action Plan

# What will this allow us to do?

- Require affordable units in multi-family rental housing projects. At least twenty percent (20%) of the units in the project must be set aside for the exclusive use of persons of low income (60% or less AMI)
- Rent or lease dwelling accommodations set aside for persons of low income only to persons who lack the amount of income that is necessary to enable them, without financial assistance, to live in decent, safe, and sanitary dwellings
- To identify any substandard housing and develop program, procedures, policies, and financing to improve
- To sell, exchange, transfer, assign, or pledge any property real or personal or any interest therein to any person, firm, corporation, municipality, city, or government; to own, hold, clear and improve property for affordable housing development. Allows the formation of land trusts, land leases, and other forms of property ownership and land management structures for affordable housing

# What will this allow us to do?

- To procure insurance or guarantees from the federal government of the payment of any debts or parts thereof secured by mortgages made or held by the authority on any property included in any housing development.
- To borrow money upon its bonds, notes, debentures or other evidences of indebtedness and to secure the same by pledges of its revenues, and by mortgages upon property held or to be held by it for affordable use.
- In connection with any loan, to agree to limitations upon its right to dispose of any housing development or part thereof or to undertake additional housing developments. To lease or rent any dwelling or other accommodations or any of the lands, buildings, structures or facilities embraced in any housing development and to establish and revise the rents or charges.

# Findings

The Town Board of Commissioners must make at least one of the two following findings, as required under N.C.G.S 157-4, to approve this resolution:

- (1) Whether insanitary or unsafe inhabited dwelling accommodations exist in the city and said surrounding area, and/or
- (2) Whether there is a lack of safe or sanitary dwelling accommodations in the city and said surrounding area available for all the inhabitants thereof.

# DISCUSSION





## RESOLUTION 2024-XX

### RESOLUTION AUTHORIZING THE TOWN OF DAVIDSON TO EXERCISE THE POWERS, DUTIES, AND RESPONSIBILITIES OF A HOUSING AUTHORITY PURSUANT TO HOUSING AUTHORITY LAW N.C.G.S. § 157.

**Whereas**, the Town Board of Commissioners desires to implement the Affordable Housing Needs Assessment Plan;

**Whereas**, the Town Board of Commissioners desires to implement affordable housing strategies and activities as identified in the Strategic Plan;

**Whereas**, there are a lack of affordable units available within the Town of Davidson, available for all the inhabitants thereof;

**Whereas**, there is a lack of units available at rents which persons of low income can afford;

**Whereas**, the construction, acquisition, sale, and management of affordable properties is in the public interest;

**Whereas**, the maintenance of said properties are public uses and purposes, and that it is in the public interest that work on such projects be instituted as soon as possible;

**Whereas**, the Town Board of Commissioners is authorized by N.C.G.S. § 160A-456(b) and N.C.G.S. § 157-4.1 to exercise directly those powers granted by law to a housing authority;

**Whereas**, acting under the powers granted to it, the Town may undertake any activity that is undertaken by a housing authority;

**Whereas**, The Town finds that there is a lack of safe or sanitary dwelling accommodations in the Town and said surrounding area available for all the inhabitants thereof.

### NOW THEREFORE, BE IT RESOLVED BY THE TOWN BOARD AS FOLLOWS:

1. RESOLVED, by the Town Board of Commissioners that the powers of a Housing Authority of the Town of Davidson, North Carolina, be and it hereby is organized pursuant to the Housing Authorities Law of North Carolina and is now authorized to transact business and exercise its functions in its area- of operation as defined in said Law.

2. RESOLVED, that the Town Board of Commissioners designates itself to exercise the powers, duties, and responsibilities of a housing authority, then where any act, proceeding, or approval is required to be done, recommended, or approved both by a housing authority and by the Town Board of Commissioners, then the performance, recommendation, or approval thereof once by the Town Board of Commissioners shall be sufficient to make such performance, recommendation, or approval valid and legal.
3. RESOLVED, that where any act, proceeding, or approval is required to be done, recommended, or approved both by a housing authority and by the Town Board of Commissioners, then the performance, recommendation, or approval thereof once by the Town Board of Commissioners shall be sufficient to make such performance, recommendation, or approval valid and legal.
4. RESOLVED, that the powers, duties, and responsibilities of a housing authority shall be designated to the Affordable Housing & Equity Department in the Town of Davidson, State of North Carolina, unless otherwise designated by the Town Manager to a new or different department.

**This resolution is effective this \_\_\_\_\_, 2024.**

Attest:

\_\_\_\_\_  
Rusty Knox, Mayor  
Town of Davidson

\_\_\_\_\_  
Elizabeth K. Shores, Town Clerk



## **AGENDA MEMO**

**To:** Davidson Board of Commissioners

**From:** Alexander Cahill, Affordable Housing & Equity Director

**Date:** August 13, 2024

**Re:** Discuss Establishing an Emergency Home Repair Pilot Program

### **ITEM SUMMARY/OVERVIEW**

The Town of Davidson is proposing to establish an Emergency Home Repair program. This program falls under the "preserve" pillar of the affordable housing strategic framework. Town staff are seeking the Board's input on the draft program requirements. This program pilot is being launched with pilot funding from the Davidson Community Foundation (DCF). Any vendor that can meet the program requirements, is a HUB-certified vendor, and aligns with the Town's mission, strategic plan, and core values will be considered. This item is for discussion only and the Board will be asked to approve it at the August 27 meeting.

### **ACTION/PROPOSED MOTION**

This item is for discussion only.

### **RELATED TOWN GOALS**

#### **Strategic Plan Alignment**

Affordable Living, Equity & Inclusion - Work together to foster a culture of equity, belonging, inclusion, and advance the Town's Affordable Housing program. Provide, create, and support opportunities for all. Treat everyone with respect, dignity, and recognize every voice.

#### **Core Values**

Davidson's historic mix of people in all income levels and ages is fundamental to our community, so town government will encourage opportunities, services, and infrastructure that allow people of all means to live and work here.

### **NEXT STEPS**

After authorization of the program, Town staff will begin implementation of the Emergency Home Repair Program, as administered by the Affordable Housing and Equity Department. Any vendor that can meet the program requirements, is a HUB-certified vendor, and aligns with the Town's mission, strategic plan, and core values will be considered.

|      |                                                |
|------|------------------------------------------------|
| I.   | Policy                                         |
| II.  | Purpose                                        |
| III. | Provisions                                     |
| IV.  | Program Procedures                             |
| V.   | Procurement                                    |
| VI.  | Non-Discrimination and<br>Conflict of Interest |
| VII. | Authorization                                  |

## **EMERGENCY HOME REPAIR**

### **I. POLICY**

To establish rules and guidelines for the Emergency Home Repair program in the Town of Davidson.

### **II. PURPOSE**

To establish a program for emergency housing and home improvement services to owner and renter occupied homes. This policy falls under the “preserve” pillar of the affordable housing strategy to help keep low-income community members in their home. Emergency Home Repairs are defined as repairs that mean the resident cannot live in their home, is in immediate danger, and need to be made as soon as possible.

### **III. PROVISIONS**

#### **Eligibility:**

##### **Property and Household Eligibility:**

Applicants must meet the following property and household requirements to be eligible for the Emergency Home Repair Program. Recipients of assistance will be chosen by the criteria listed below without regard to race, ethnicity, creed, color, sex, pregnancy, marital or familial status, sexual orientation, gender identity or expression, national origin or ancestry, citizen or non-citizen, military or veteran status, religious belief or non-religious belief, or disability.

##### **Property Eligibility**

1. The property must be located within the Town limits; and
2. The applicant must own the home and occupy the house as their primary residence; and
3. The repair must not be covered by insurance.

### **Household Eligibility**

1. The total household income cannot be more than 80% of the area median income; or
2. The community member must not be younger than age 62; and
3. The applicant cannot own any other residential property categorized as a vacation or second home

### **Eligible Emergency Repairs Covered**

1. Immediate hazard caused by unsafe structures (rotting flooring, etc.)
2. Lack of heating and cooling in extreme temperatures (HVAC system failure)
3. Electrical hazards that pose immediate threat to life or structural safety (causing sparks)
4. Leaking pipes/plumbing that are currently or could cause imminent flooding
5. Failing septic systems that render plumbing systems inoperable or pose immediate threat to do so
6. Accessibility modifications post-injury/illness necessary to safely access home
7. Other repairs as approved by Affordable Housing and Equity Director per the department procedure

### **Funding:**

Various funding sources will be utilized. Program guidelines may be more restrictive depending upon funding source.

## **VII. NON-DISCRIMINATION AND CONFLICT OF INTEREST**

### **Equal Opportunity**

It is the policy of the Town of Davidson to ensure that no person shall, on the ground of race, color, national origin (including limited English Proficiency), familial status, sex, age, or disability, be excluded from participation in, be denied the benefits of, or be otherwise subject to discrimination under any program or activity administered by the Town of Davidson or its partners.

### **Conflict of Interest**

Any person who is an employee, agent, consultant, officer, elected official, or appointed official of the Town of Davidson and who exercises or has exercised any functions or responsibilities with respect to activities assisted with funds or who are in a position to participate in a decision-making process or gain inside information with regard to these activities may not obtain a financial interest or financial benefit from an assisted activity, or have a financial interest in any contract, subcontract or agreement with respect to any assisted activity, or the proceeds from such activity, either for themselves or those whom they have business or immediate family ties, during their tenure or for one year thereafter. Immediate family ties include (whether by blood, marriage, or adoption) the spouse, parent (including stepparent), child (including a stepchild), brother, sister (including a stepbrother or stepsister) grandparent, grandchild, and in laws of a covered person. The Town of Davidson should avoid conflict of interest and the appearance of a conflict of interest in administering the program.

Under special circumstances, exceptions may be made to this policy in writing by the department director or his/her designee.

#### **IV. SCOPE**

As of August 27, 2024, this policy replaces and supersedes any previous policies, or unwritten policies or practices covering the same subject.

#### **V. AUTHORIZATION**

Approved by the Board of Commissioners on August 27, 2024.



**RESOLUTION 2024-XX**

**RESOLUTION AUTHORIZING THE TOWN OF DAVIDSON TO ESTABLISH AN  
EMERGENCY HOME REPAIR PROGRAM.**

**Whereas**, the Town Board of Commissioners desires to implement the Affordable Housing Needs Assessment Plan;

**Whereas**, the Town Board of Commissioners desires to implement affordable housing strategies and activities as identified in the Strategic Plan;

**Whereas**, the maintenance of said properties are public uses and purposes, and that it is in the public interest that work on such projects be instituted as soon as possible;

**Whereas**, the Town Board of Commissioners is authorized by N.C.G.S. § 160A-456(b) and N.C.G.S. § 157-4.1 to exercise directly those powers granted by law to a housing authority;

**Whereas**, acting under the powers granted to it, the Town may undertake any activity that is undertaken by a housing authority;

**Whereas**, The Town finds that there is a lack of safe or sanitary dwelling accommodations in the Town and said surrounding area available for all the inhabitants thereof.

**NOW THEREFORE, BE IT RESOLVED BY THE TOWN BOARD AS FOLLOWS:**

1. RESOLVED, that the Town Board authorize the establishment of an Emergency Home Repair Program under N.C.G.S. § 157.

**This resolution is effective this \_\_\_\_\_, 2024.**

Attest:

\_\_\_\_\_  
Rusty Knox, Mayor  
Town of Davidson

\_\_\_\_\_  
Elizabeth K. Shores, Town Clerk



## Emergency Home Repair Program Pilot

Alexander D. Cahill  
Affordable Housing & Equity Director  
August 13, 2024

[www.townofdavidson.org](http://www.townofdavidson.org)

# Implementation Strategy



## AFFORDABLE HOUSING STRATEGIC FRAMEWORK



# Why do this?

- Under the "Preservation" pillar of the strategic affordable housing framework, an Emergency Home repair program was identified as a strategy to preserve homes
- We continually hear through community conversations that there is a gap in services in this space
- Several minor emergency repairs escalated into more expensive issues for private homeowners in the past year

# What is the program designed to do?

- Emergency repairs correct housing conditions that threaten life or safety, such as failing septic systems, dangerous heating systems, or rotten floors. Emergency repairs aid in accessibility modifications that allow the community member to remain in their home after an injury or serious illness.
- The Emergency Repair Program is designed to address immediate threats to the health and safety of residents of housing which resulted from a system failure.
- Funding is provided in the form of a grant to the homeowner, and no liens or deed restrictions are placed on the property.

# Who is can submit a request for service?

- A community member within the Town
- An organization on behalf of a community member in Town
- Staff on behalf of a community member in Town
- Those making 60% or less AMI
- Those with a disability
- Those 62 or over

# What repairs are covered?

- Immediate hazard caused by unsafe structures (rotting flooring, etc.)
- Lack of heating and cooling in extreme temperatures (HVAC system failure requiring fixing and not replacement)
- Electrical hazards that pose immediate threat to life or structural safety (causing sparks)
- Leaking pipes/plumbing that are currently or could cause imminent flooding
- Failing septic systems that render plumbing systems inoperable or pose immediate threat to do so
- Accessibility modifications post-injury/illness necessary to safely access home

# How will we measure effectiveness?

## **Response Time**

Town staff will track the response time of the vendor in both responding to the report, and in the time to complete.

## **Quality of Customer Service**

Town staff will do measure the quality of customer service provided to the community member with a post follow-up repair survey.

## **Quality of Inspection**

Town staff will monitor inspection compliance reports on the work performed.

## **Financial**

Town staff will track the average cost of each repair and identify the trend in repair costs over time.

# Funding

The pilot for this program will use \$50,000 previously encumbered from the Town ARPA fund dollars.

This will fund the initial pilot program at \$50,000, which could potentially serve up to 33 homes over the course of the fiscal year at \$1,500 per repair.

# DISCUSSION





## **AGENDA MEMO**

**To:** Davidson Board of Commissioners  
**From:** Austin Nantz, Assistant Town Manager  
**Date:** August 13, 2024  
**Re:** Discuss Draft Advocacy Agenda

### **ITEM SUMMARY/OVERVIEW**

The Town of Davidson has historically created a legislative advocacy agenda to further the Town's goals and advocate for the best interests of Davidson. The proposed agenda includes advocacy items for Mecklenburg County, the State of North Carolina, and the Federal Government. This item is for discussion only and the Board will be asked to approve it at the August 27 meeting.

### **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.

Historic Preservation - Preserve the historic character of our Town, including its people, places, & stories. Honor the history of our residents through their lived experiences.

Connecting People and Places - 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.

Affordable Living, Equity & Inclusion - Work together to foster a culture of equity, belonging, inclusion, and advance the Town's Affordable Housing program. Provide, create, and support opportunities for all. Treat everyone with respect, dignity, and recognize every voice.

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

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**

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

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.

Davidson's historic mix of people in all income levels and ages is fundamental to our community, so Town government will encourage opportunities, services, and infrastructure that allow people of all means to live and work here.

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

### **NEXT STEPS**

The Board will be asked to approve the Advocacy Agenda at the August 27 business meeting.



**RESOLUTION 2024-xx**  
**ADOPTING THE TOWN OF DAVIDSON**  
**2024-2025 COUNTY, STATE, AND FEDERAL ADVOCACY AGENDA**

**WHEREAS**, the Town of Davidson Mayor and Board of Commissioners offer the following specific priorities for consideration in the 2024-2025 County, State, and Federal Advocacy Agenda:

**Mecklenburg County**

Prioritized Items:

- Seek funding for regional trails to improve the connectivity in the region:
  - Carolina Thread Trail connectivity from Davidson to Iredell and Davidson to Cabarrus
  - West Branch Nature Preserve Greenway (River Run to Summers Walk)
  - Seam Trail
- Seek funding for Affordable Housing Programs
  - Rental Subsidy Program
  - Town Owned Land Development
  - Critical Home Repair Home Improvement Program

**State of North Carolina**

Prioritized Items Seeking Support:

- Implementation of the 2030 Transit System Plan to include the Red Line.
- Legislation resulting in a policy change allowing a probationary certificate to be issued to the in-state lateral police officer permitting them to continue working as sworn officers immediately at the gaining agency.
- Grant funding for significant Public Safety capital projects and equipment:
  - Fire Station construction (estimated cost \$17 million)
  - Emergency vehicle purchases (\$3 million)
  - Police Equipment to enhance Community Safety (\$100k)
  - Firefighter breathing Apparatus replacement (\$340k)
- Funding for regional trails and connecting greenway projects
  - Carolina Thread Trail connectivity from Davidson to Iredell and Davidson to Cabarrus
  - West Branch Nature Preserve Greenway (River Run to Summers Walk)
  - Seam Trail
- Legislative support for necessary Town charter update.
- Implementation of the North Mecklenburg Magistrate (which has already been authorized).

- Legislation to allow the Town of Davidson special local authority to expand the “demolition deny” provision to include contributing structures in National Register Historic Districts (NRHD).
- Local authority to allow the Town to exempt the Town of Davidson’s National Historic District from the “two-into-three” exempt subdivision as described in NCGS 160D-802(a)
- Local authority to allow the Town to be exempted from the expedited review of specified classes of subdivision as described in NCGS 160D-802(a) and (c)
- Funding for land acquisition as part of the Agriculture Corridor Farmland Preservation Project.
- Remove the statutory cap on public-private partnerships, thereby advocating to increase the limited methods of achieving critical infrastructure projects.
- Legislation and NC Downtown Association efforts to expand Mill Tax Credit to other large structures making rehabilitation projects more viable.
- Efforts to restore funding to NCDOT and Charlotte Regional Transportation Planning Organization (CRTPO) transportation improvements outlined in the State Transportation Improvement Program (STIP)
- Legislative and other regulatory changes to enhance sustainability efforts including but not limited to increased options for renewable energy procurement, increased ability for NCDOT to fund transit projects, funding for grants for land preservation, continued funding for the NC Clean Energy Technology Center for grants for local governments, and other initiatives designed to preserve open space, protect water quality and reduce carbon emissions.

## **Federal Government**

### **Prioritized Items:**

- Pursue funding for Affordable Housing Programs
- Pursue additional transportation infrastructure funding to address local needs and help stimulate the economy
- Seek funding from USDA for land acquisition as part of the Agriculture Corridor Farmland Preservation Project.
- Seek grant funding opportunities for significant capital projects and equipment:
  - Fire Station Construction (estimated cost \$17 million)
  - EV/Hybrid Vehicles Purchases including Fire and Police (\$3 million)
  - Police Equipment to enhance Community Safety (\$100k)
  - Firefighter breathing Apparatus replacement (\$340k)

Adopted on the \_\_ day of \_\_\_\_\_ 2024

Attest:

\_\_\_\_\_  
Rusty Knox, Mayor

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Elizabeth K. Shores, Town Clerk