



CITY OF HENDERSONVILLE
ENVIRONMENTAL SUSTAINABILITY BOARD
City Hall – 2nd Floor Meeting Room | 160 6th Ave. E. | Hendersonville, NC
28792

Monday, January 13, 2025 – 4:30 PM



AGENDA

1. **CALL TO ORDER**

2. **APPROVAL OF AGENDA**

3. **APPROVAL OF MINUTES**

A. Approval of December 2024 meeting minutes

4. **PUBLIC COMMENT**

5. **SUBCOMMITTEE UPDATES**

A. Hendo Earth Fest update - *Omar Zafra, Member, 10 minutes*

6. **NEW BUSINESS**

A. Sustainability Hero Award - *Virginia Tegel, Chair, 5 minutes*

Call for nominations in February, compile and provide to E.S.B. to select in March

B. Above the Mud survey - *Omar Zafra, Member, 5 minutes*

C. Vote on amending meeting time - *Caitlyn Gendusa, Staff liaison, 5 minutes*

Currently Mondays and Wednesdays are in conflict with Caitlyn Gendusa's schedule.

D. Draft Sustainability Strategic Plan Annual Report - *Caitlyn Gendusa, Staff Liaison, 10 minutes*

7. **OLD BUSINESS**

A. Mayor's Monarch Pledge update - *Jill Carter, Member, 5 minutes*

B. City Council brief - *Jill Carter, Member, 5 minutes*

C. FY 2025 Budget refresher

D. Green Business Initiative update - *Jane Edgars and Tanya Guzman, Members, 10 minutes*

E. Waste management - *Virginia Tegel, Chair, 5 minutes*

Sustainability Demonstration Station 2024 report

Report: <https://drive.google.com/file/d/13NIg-F4JBpt6m2McsFFIZZgrCfbmHygE/view?usp=sharing>

Sustainability Demonstration Station farmers market schedule

Schedule: https://docs.google.com/document/d/15Qi4aX_5a6wihbGM-vNnsarnLMD6J1KgE4VQ9PGQIu8/edit?usp=sharing

E. Floodplain development workshop reminder - *Virginia Tegel, Chair - 5 minutes*

G. City Council meeting agenda review reminder - *Virginia Tegel, Chair - 5 minutes*

<https://docs.google.com/spreadsheets/d/1gvW3gdiAJTIUndK57AaLNsJLdLC4AfqH5117LABQPJY/edit?gid=0#gid=0>

8. **ADJOURNMENT**

The City of Hendersonville is committed to providing accessible facilities, programs and services for all people in compliance with the Americans with Disabilities Act (ADA). Should you need assistance or an accommodation for this meeting please contact the City Clerk no later than 24 hours prior to the meeting at 697-3005.



CITY OF HENDERSONVILLE
ENVIRONMENTAL SUSTAINABILITY BOARD
 City Hall - Council Chambers | 160 Sixth Avenue E. | Hendersonville, NC
 28792



Thursday, December 19, 2024 – 3:30 PM

MINUTES

1. CALL TO ORDER

Meeting called to order at 3:35p.m.

Present: Jill Carter, Gina Baxter, Virginia Tegel, Omar Zafra, Tanya Guzman,, Grady Nance, and Jane Edgars

Absent: Frank Stewart

2. APPROVAL OF AGENDA

Virginia Tegel added public comment. Jill Carter approved first followed by Grady Nance

3. APPROVAL OF MINUTES

Omar Zafra approved first followed by Grady Nance

4. OLD BUSINESS

- a. Designate ESB member to coordinate stream restoration cost-share approved in this year's board budget - *Virginia Tegel, Chair, 10 minutes*
 - i. Jane Edgar and Jill Carter volunteered to partner on cost-share project and will use funds by May 2025
- b. Green Business Partnership Update - *Jane Edgar, 10 minutes*
 - i. Next step: Jane Edgar and Tanya Guzman are drafting letter
 - ii. Caitlyn Gendusa mentioned it would be a good idea for Jane Edgar and Tanya Guzman to reach out to City of Hendersonville Downtown Manager, Jamie Carpenter at jcarpenter@hvlnc.gov in regards to downtown business outreach.
 - iii. Jill Carter is reaching out to Chamber of Commerce for a connection.
 - iv. Caitlyn Gendusa brought up that criteria for interested businesses should be put together to avoid being in conflict with the City's requirement of not promoting certain businesses over others.
- c. Hendo Earth Fest Update - *Omar Zafra, Member, 10 minutes*
 - i. Omar Zafra has started a Google form for exhibitors and brought up questions on sponsors (financial sponsors not allowed) and how police officers are able to be present with the City's requirement of not paying off-duty officers. These questions will be brought up in a future meeting with Terrye Jacobs, Downtown Events Coordinator.
 - ii. Virginia Tegel mentioned we can use tourism development restrooms and volunteer vests borrowed from City Downtown Division.

- iii. Caitlyn Gendusa is making updates to event website.
- d. Waste reduction update - *Virginia Tegel, Chair, 5 minutes*
 - i. Compost bin program – Virginia Tegel brought up idea to have a New Years compost resolution initiative. Virginia also updated the GoogleDoc spreadsheet for purchase requests. Also suggested was having a January working day instead of a regular board meeting. Virginia would also like a compost bin present by February 2nd at the S.D.S which will be paid for out of board budget.
 - ii. International Compost Awareness Week
- e. Student member - *Virginia Tegel, Chair, 5 minutes*
 - i. Virginia Tegel and Omar Zafra are meeting with Interact Club
 - ii. Plan: April – student member appointed and applications due in March
 - iii. Caitlyn Gendusa posting application and will email board members flyer. The board also asked if the question can be removed of how someone identifies which Caitlyn Gendusa is checking on.

5. CITY LIAISON UPDATE

- a. Brooklyn Community Garden grand opening - Thursday March 20th, tentatively at 4:30pm
- b. There are currently two board openings for 2 City residents
- c. Virginia Tegel asked if ESB can participate in stormwater workshop. Caitlyn is finding this out.

6. CITY COUNCIL LIAISON UPDATE

- a. Councilmember Gina Baxter mentioned that floodplain maps are being updated and brought up considerations of the pros and cons as this relates to homeowners.
- b. Councilmember Lyndsey Simpson is emailing about the Balfour house.

7. NEW BUSINESS

- a. Consideration of new meeting time - *Caitlyn Gendusa, staff liaison, 5 minutes*
 - i. Jill Carter motioned first followed by Omar Zafra to move board meetings to second Monday of each month at 4:30p.m.
- b. Vote on bird sanctuary sign honoring Crystal Cauley - *Virginia Tegel, Chair, 5 minutes*
 - i. Councilmember Gina Baxter is sending board verbiage for Crystal Cauley sign. The board is not responsible for paying for sign.
- c. Vote on next year's budget request and confirm board member priorities/projects - *Caitlyn Gendusa, Staff liaison and Virginia Tegel, Chair, 20 minutes*

Categories	Allocated
Hendo EarthFest	\$ 8,000.00
Waste Reduction Subcommittee	\$ 2,000.00
Monarch Pledge/land management related activities	\$ 750.00
Sustainability Hero Award	\$ 200.00
Bee City Annual fee	\$ 200.00
Monarch migration classroom sponsorship for City schools	\$ 300.00
Business Green Partnership Program	\$ 4,000.00
Renewable energy education project	\$ 1,000.00
Education outreach	\$ 1,000.00
	\$ 17,450.00

Board members approved budget unanimously.

2024 retreat follow up items:

Topic:	Suggested by:	ESB lead:	Next Steps:
Renewable energy addition to S.D.S.	Omar Zafra	Omar Zafra	Omar Zafra has identified Sugar Hollow Solar as partner who may donate solar panel they cannot sell.
Veg Fest	Omar Zafra		Moved to next year for future consideration
Steep slope standards	Grady Nance	Jill Carter	Jill Carter working with Emily on next steps
Developing relationships with schools	Virginia Tegel		Moved to next year for future consideration

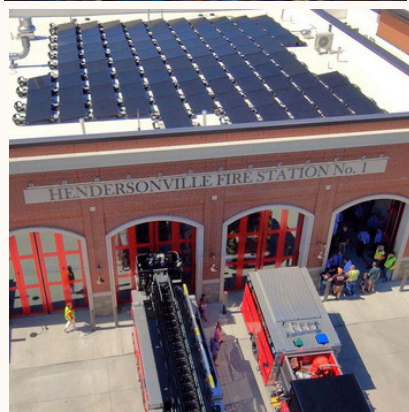
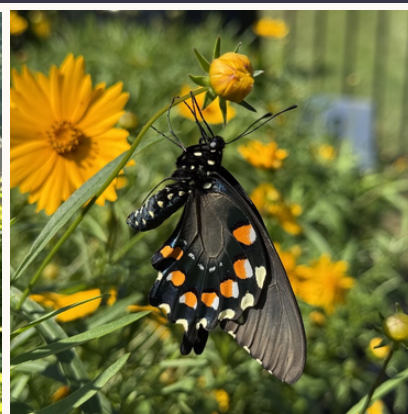
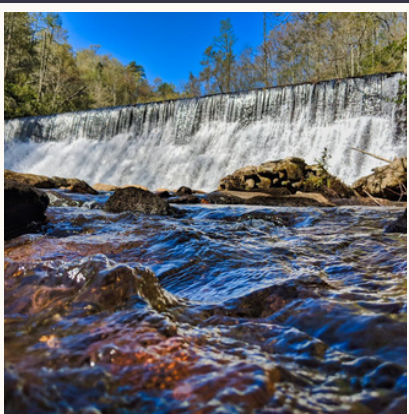
8. ADJOURNMENT

- a. Jill motioned to adjourn first followed by Omar Zafra

The City of Hendersonville is committed to providing accessible facilities, programs and services for all people in compliance with the Americans with Disabilities Act (ADA). Should you need assistance or an accommodation for this meeting please contact the City Clerk no later than 24 hours prior to the meeting at 697-3005.

CITY OF HENDERSONVILLE

Sustainability Strategic Plan Annual Report



2023-2024



Introduction

Item D.

This report highlights the 2023-2024 progress made towards the City of Hendersonville's Sustainability Strategic Plan, adopted May 1, 2024 by City Council. The plan outlines actions within the focus areas of energy, transportation, waste management, land management and water to reach our goal of reducing greenhouse gas emissions by 30% by 2035. The plan includes five goals and 14 measurable actions. The plan is also meant to be a working document and kept updated as priorities, funding, and technologies change.

The City of Hendersonville has come a long way in advancing sustainability efforts with a few highlights including: approving a biosolids thermal dryer for wastewater treatment, installing a building automation system at City Hall, and the City's first on-site solar array. Multiple studies and test pilots were also completed to better analyze potential cost benefit and assist in implementation. A few examples include analyzing City building energy intensity and completing a propane vehicle test pilot.

What follows throughout this report is an account of what actions were taken to progress towards the City's greenhouse gas reduction goal while showing what to anticipate - and get excited for in the coming year.

Table of Contents

I. INTRODUCTION	2
II. FOCUS AREAS	4
Energy	6
Transportation	8
Waste Management	10
Land Management	12
Water	
III. WHAT'S NEXT?	13

Energy



Item D.

Goal: Reduce energy demand from municipal buildings & increase amount of renewable energy utilized

Highlights:

\$13,500

In Duke Energy rebates for energy efficiency projects



Solar projects: 1 installed and 1 approved

500 kW

Energy saved through new automation system at City hall

Actions

Progress

Achieve 10% Energy Savings from Efficiency Upgrades

Building automation system at City Hall

Initial cost: \$18,876

Rebate: \$11,176

Initial savings: \$4,607 (first 6 months of system)

Insulation at fleet washbay

Initial cost: \$10,740

Rebate: \$2,301.20

Initial savings:

LED lighting at Whitmire Building

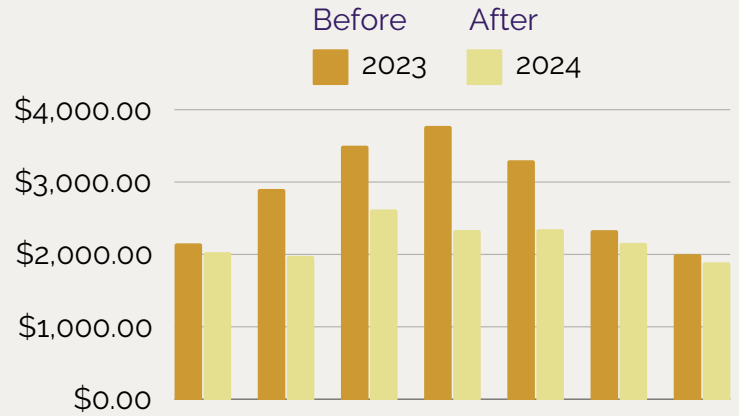
Initial cost: \$

Rebate: \$

Initial savings: \$

City Hall Building Automation System

Within the first 7 months, compared to the same months a year prior before the system was installed, total electricity costs dropped by 23%.



City Building Energy Use Intensity Benchmark

As part of strategizing what energy efficiency projects to implement, the City had an energy benchmark report completed to show how our buildings rank in terms of Energy Use Intensity (EUI). EUI is calculated by dividing the total energy consumed by a building by the total square feet of floor area per year. This shows how efficient a building is using energy. The lower the EUI, the more energy efficient the building is. The chart to the below shows how each building ranks from highest to lowest EUI. Overall, Hendersonville's buildings absorb less than the national average for energy with the exception of City Hall and the Police Department. These are two buildings that future funds should be devoted towards for energy efficiency improvements.

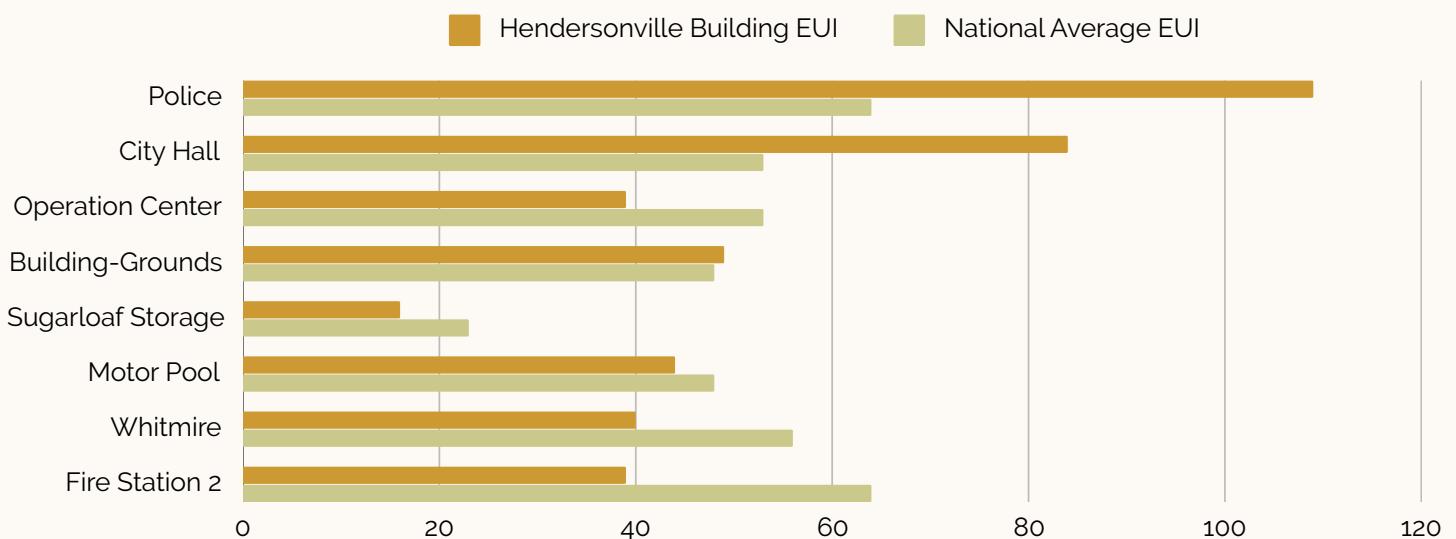


Figure 1: EUI of City of Hendersonville buildings against natural average EUI

Establish sustainable building policy

Hendersonville's first Sustainable Facilities Policy, R-24-31 was approved by City Council May 2, 2024. The policy includes requirements for all new construction and renovation ranging from electric vehicle ready parking lots and solar capabilities, permeable pavement, LED lighting, HVAC equipment, and more.

To view a full copy of the Sustainable Facilities Policy, visit _____.



Receive 30% of electricity from renewable energy sources.

The City's first solar installment was completed July 2024 which will create an estimated 48,000kWh of renewable energy each year.

A second rooftop solar installation was approved for the new Water & Sewer biosolids dryer facility slated to be completed in 2025 which will create an estimated XXkWh of renewable energy each year.

For more information on current and past energy efforts, please visit hendersonvillenc.gov/sustainability/energy.



Transportation



Item D.

Goal: Transition to electric and low emission vehicles and fuel while ensuring there is a robust and safe walkable and bikeable city.

Highlights:

8 Metric tons of greenhouse gas emissions reduced from the 6 City owned public electric vehicle parking spaces

32% Average cost savings from switching to hybrid or propane for City vehicles

Actions

Progress

Increase amount of Level 2 EV charging stations both publicly & for municipal operations

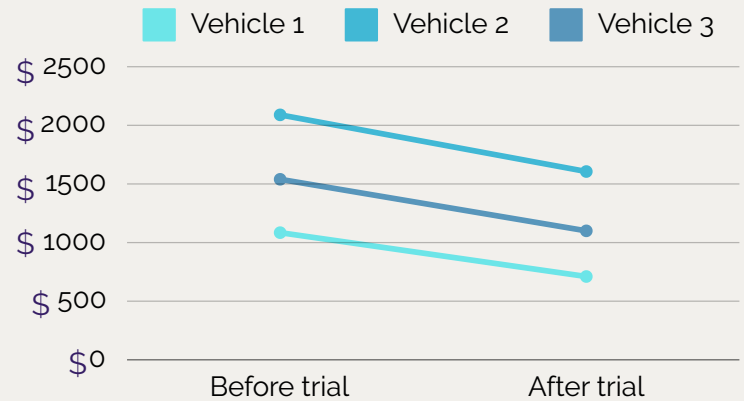
Currently, grant opportunities are being pursued to provide more charging stations for the community. One charging station is available for City fleet vehicles, installed this year with 8 electric vehicle parking spaces available for public use.

Reduce City fleet fuel usage by 40%

The City has tested alternative vehicles including hybrid, electric, and propane fueled which have shown significant cost savings ranging from 39-50% for police pursuit and Water & Sewer vehicles. Currently, the City is focusing on incorporating more energy efficient vehicles for administrative uses while considering a formal sustainable fleet transition policy.

Propane Vehicle Pilot

This year, the City participated in a propane vehicle pilot program. Three vehicles, two from our Water & Sewer Department and one from our Police Department participated with vehicles upfitted with a propane tank. Over the course of five months, vehicles saw a decrease in fuel cost ranging from 29%-34% resulting in significant savings.



Actions

Implement alternative transportation plans

Progress

Committee assembled

This year, the City formed a Bicycle and Pedestrian Infrastructure Staff Committee with a goal to advance the implementation of Bicycle & Pedestrian Infrastructure in the City of Hendersonville.

7th Ave Streetscape Project

The Seventh Avenue Streetscape Project, completed in December of this year is an investment in pedestrian, water, sewer and stormwater infrastructure, lighting and landscaping in the business district. It aims to improve walkability, improve connections to the Main Street Municipal Service District, and highlight the character of the historic district.

Sidewalk improvements

As of August 2023 which is the most recent sidewalk inventory recording, the City of Hendersonville has installed approximately 340,000 linear feet or 64 miles of sidewalk within City limits.

For more information on current and past energy efforts, please visit hendersonvillenc.gov/sustainability/transportation.

Waste Management



Goal:

Reduce the amount of solid waste sent to the landfill through recycling, composting, and other waste reduction efforts

Highlights:

\$40,000

Waste reduction grant awarded

1st

Compost demonstration station and pilot drop off location created



Actions

Progress

Decrease City-wide Solid Waste by 15%

Delayed - Earlier this year, the City received a grant from the N.C. Department of Environmental Quality to install RFID tags to improve data collection on recycling and contamination rates so that the City is able to improve educational efforts to curtail waste. Due to Hurricane Helene, this grant is postponed until spring/summer 2025.

Establish City compost initiatives

Compost demonstration site and pilot drop-off

The City's Environmental Sustainability Board spearheaded the creation of the first Sustainability Demonstration Station located on Maple St. The station hosts multiple different compost bin systems and is a small-scale compost drop-off location.

Stream debris collection

Two stream debris pickup events were hosted by the City's Stormwater Division which resulted in XX pounds of trash removed from our waterways.



Actions

Progress

Reduce biosolids landfill waste by 67%

Ongoing - City Council approved construction of the biosolids thermal dryer system for wastewater treatment in November of this year with an estimated construction to start in fiscal year 2025.

Total solid waste tonnage per year has remained fairly consistent for the last 4 years with 2924 solid waste disposal coming to 5,845 tons.

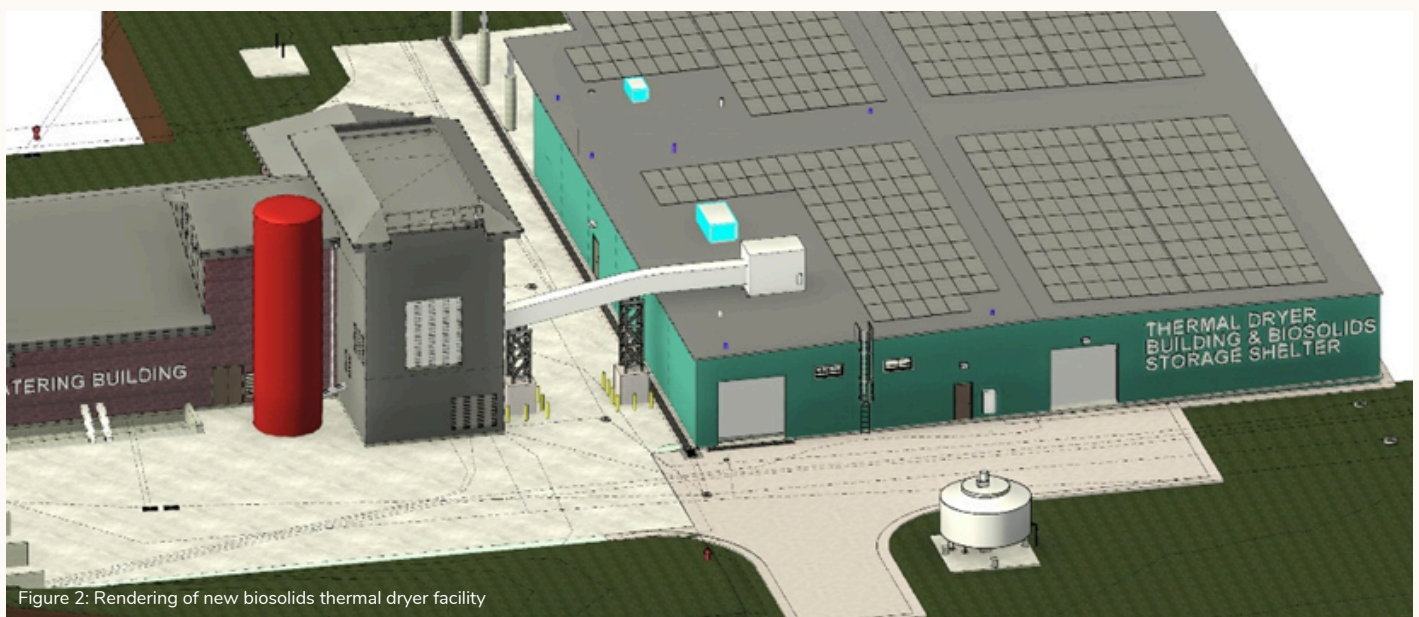


Figure 2: Rendering of new biosolids thermal dryer facility

For more information on current and past energy efforts, please visit hendersonvillenc.gov/sustainability/waste-management

Land Management



Item D.

Goal:

Increase and enhance Hendersonville's green spaces while improving tree canopy cover, protecting biodiversity, promoting outdoor recreation, and improving the overall health and character of our City.

Highlights:

- 10** Years as a Tree City USA member
- 6** Years as a Bee City USA member
- 1** Years as a Caregivers of Mother Earth member

\$50,000

In grant and City funds devoted to the Brooklyn Community Garden

Actions

Progress

Increase tree canopy on City property to 50%

Maintain and expand Citywide tree canopy

Adopted earlier this year, the amended Tree Canopy Ordinance establishes additional requirements for the protection of street trees within the City limits. In addition, the City's Tree Board donated 62 to various residential properties in an effort to increase the City's tree canopy community-wide.

Build on existing efforts to reduce pesticide & herbicide use

At this time, the City remains diligent in utilizing pesticides and herbicides only when necessary and is primarily used for sidewalks and invasive species. Natural methods of weed maintenance includes using mulch and hand weeding. The City also continues to encourage reducing herbicide use by offering free mulch pickup in the spring for residential use.

Actions

Progress

Enhance & restore
City-owned natural
areas and parks

**Pollinator Planting, wildlife habitat improvements
& Invasive species removal**

- Approximately 100,000 square feet of invasive species removal including a project on Ridgeview Drive and Patton Park;
- ¼ acre pollinator garden on Four Seasons Boulevard;
- Continuation of garden maintenance for Bearcat Loop, downtown pollinator beds, and Oklawaha Greenway pollinator beds; and
- Sponsored creation of Brooklyn Creek Bird Sanctuary

Brooklyn Community Garden

What started as a small community garden in 2011 by a few dedicated community members and the City of Hendersonville has grown into a project which has gained more than \$50,000 in City and grant funds for an expansion and revitalization. Progress this year included grading, fencing, garden beds, including ADA beds, landscaping, and more. Estimated groundbreaking will be held spring 2025.



Note: Reports are available for more details on Tree City, Bee City, and Caregivers of Mother Earth commitments. For more information, please visit hendersonvillenc.gov/sustainability/land-management



Goal: Ensure safe and reliable drinking water supply for all citizens while preserving and protect natural aquatic resources.

Highlights:

18,761

Gallons of water/year saved in water conservation rebates

300

Pounds of trash collected through stream cleanups

\$1.4 million

In stream restoration grant funds awarded

Actions

Progress

Increase water efficiency in all buildings and infrastructure

The City rolled out a new water conservation rebate program to offset the cost to our customers for choosing a more energy efficient toilet, dishwasher, washing machine, and customer side shut off valve. Since the program started back up in July 2024, we have given \$3,800 in credits and are saving an estimated 13,601 gallons of water/year in washing machine rebates and 5,160 gallons of water/year in dishwasher rebates.

Protect and enhance the water quality of the City's streams and wetlands

Green infrastructure on 7th Ave

- Bioswales included which are shallow ditches that collect, filter, and direct stormwater for reduced erosion
- soil cells included which are systems that provide space for tree roots to allow proper water filtration

Outreach efforts

330 students participated in educational program
 8 new educational signs installed throughout City
 30 stream cleanups
 73 staff members trained on stormwater management

For more information on current and past energy efforts, please visit hendersonvillenc.gov/sustainability/water.

What's next?

2025 projects

Transportation

Upcoming projects include investigating additional building automation systems at City buildings, headway on biosolids dryer solar installation, and other energy efficiency projects.

Energy

Upcoming projects include investigating additional building automation systems at City buildings, headway on biosolids dryer solar installation, and other energy efficiency projects.

Land Management

Upcoming projects include investigating additional building automation systems at City buildings, headway on biosolids dryer solar installation, and other energy efficiency projects.

Waste Management

Work will begin on the Department of Environmental Quality waste reduction grant analyzing recycling rates and curtailing contamination rates

Expansion of composting programs and opportunities

Water

Slated for the new year is construction of a rainwater harvesting system at fleet maintenance which is estimated to save more than \$1,302-\$3,472/year. Plans are underway for the Lower Mud Creek Floodplain restoration, submitted for approval. This project will include 2000+ linear feet of stream restoration and construction/restoration of 8+ acres of wetlands,



Want to learn more? Visit us online at
hvlnc.gov/sustainability



Energy



Transportation



Waste Management



Land Management



Water

FY 25 Budget **\$ 16,700.00**

Categories	Allocated	Spent	Pending	Remaining Funds	Notes
Hendo EarthFest	\$ 7,000.00			\$ 7,000.00	
Waste Reduction Subcommittee	\$ 3,500.00	\$ 2,594.00		\$ 1,232.00	
Community Outreach/Mayor's Monarch	\$ 500.00			\$ 500.00	
Sustainability Hero Award	\$ 200.00			\$ 200.00	
Bee City Annual fee	\$ 200.00	\$ 200.00		\$ -	
Monarch migration classroom sponsors	\$ 300.00	\$ 180.00		\$ 120.00	
Pilot stream restoration cost share	\$ 5,000.00			\$ 5,000.00	
BRBC credit	\$ 326.66				
	\$ 17,026.66	\$ 2,974.00	\$ -	\$ 14,052.66	

Definitions

- Categories - Board approved initiatives
- Allocated - Board approved allocation of budget funds across approved initiatives
- Spent - Actual funds spent to-date
- Pending - Board approved funds to be spent but have not been spent yet
- Remaining funds - funds remaining to be spend

Objective:

To establish a green partnership among local businesses to promote sustainability, reduce environmental impact, and strengthen community ties.

1. Vision & Mission**Vision:**

A thriving Hendersonville where businesses lead the way in sustainable practices, creating a cleaner and healthier environment for current and future generations.

Mission:

To unite Hendersonville businesses in a collaborative effort to reduce carbon footprints, enhance eco-friendly practices, and provide customers with a more sustainable choice.

2. Goals**Short-Term Goals (6-12 months):**

- Establish a coalition of businesses committed to sustainability.
- Develop a shared sustainability pledge and standards for participants.
- Promote local awareness through events and social media.

Long-Term Goals (1-2 years):

- Create a comprehensive sustainability guide for businesses.
- Achieve measurable reductions in waste, energy consumption, and carbon emissions.
- Gain recognition as a "Green Business Partner" by state or national environmental agencies.

3. Key Partnerships & Stakeholders**Local Businesses:**

Engage retailers, restaurants, service providers, and manufacturers in sustainability efforts.

Community Organizations & Government:

Collaborate with city leaders, environmental groups, and the Chamber of Commerce.

Suppliers & Vendors:

Work with suppliers to ensure access to sustainable products and materials

4. Action Plan**Phase 1: Business Engagement (Months 1-3)**

- Develop a commitment form for businesses to join the partnership.
- Identify key businesses interested in taking the lead in the initiative.

Phase 2: Program Development (Months 4-6)

- Create a sustainability checklist for businesses to improve their eco-friendly practices.
- Develop a shared marketing plan to promote sustainable businesses in Hendersonville.
- Organize a Green Business Partnership event to showcase initial partners and raise awareness.

Phase 3: Long-Term Sustainability (Months 7+)

- Regularly track and report on progress made by participating businesses.
- Implement educational workshops and resources for continual improvement.
- Foster collaboration with additional businesses and new partners.

5. Budget & Resources

Funding Needs:

Identify funding sources for promotional materials, event costs, and workshops.

Donations:

Seek donations from local sponsors, including office space for meetings or event venues.

Staffing & Volunteers:

Recruit volunteers for events and initiatives; assign roles for project management.

6. Evaluation & Metrics

Impact Measurement:

- Number of businesses joining the partnership.
- Reduction in waste, energy consumption, and carbon footprint among participating businesses.
- Community engagement and media coverage of green initiatives.

Regular Feedback:

- Quarterly surveys from participating businesses for feedback on progress.
- Annual review of strategic goals and achievements.

7. Marketing & Communication

Branding:

Develop a logo or slogan representing the green partnership, e.g., "Hendersonville Green Business Partner."

Promotion Channels:

- Social media campaigns highlighting business achievements.
- Local media partnerships to share success stories.
- Community newsletters and events.

Engagement:

Encourage businesses to promote their sustainability efforts through signage, eco-friendly labels, and participation in local events.

8. Risks & Challenges

Risk Mitigation Strategies:

- Ensure transparent communication among businesses.

- Provide training and support to businesses hesitant about implementing sustainable practices.
- Address concerns about cost through access to grants, incentives, or cost-saving resources.

Hendersonville Green Partnership Program Questionnaire

Commitment to Sustainability

1. Leadership and Responsibility

Are you open to appointing an individual, a group of employees, or forming a "Green Team" to spearhead environmental initiatives within your organization?

- Yes
- No

2. Ways to Promote Environmental Awareness

Which methods does your business currently use or plan to use to communicate its commitment to sustainability? (Check all that apply):

- Discuss eco-friendly initiatives during team meetings.
- Include environmental goals in employee performance reviews or onboarding materials.
- Highlight sustainability efforts on your website, social media, or advertising.
- Share regular tips or updates about reducing waste in internal communications.
- Set up a system for employees to propose new conservation ideas.
- Create a visible display (e.g., a digital dashboard or bulletin board) to showcase green practices.
- Engage property managers to improve sustainability practices (if renting/leasing).
- Track and analyze energy, water, and waste metrics for ongoing improvement.

3. Community Engagement

How does your business connect with the local community on environmental issues? (Check all that apply):

- Participate in or seek certifications through environmental programs (e.g., LEED, state-specific green certifications).
- Develop a public environmental policy or mission statement.
- Donate usable goods to local nonprofits or organizations.
- Sponsor or participate in community clean-up or conservation events.
- Provide time or incentives for employees to volunteer in eco-friendly initiatives.
- Advocate for sustainable practices to other local businesses.
- Other (please describe):

Waste Reduction and Recycling

1. Waste Management Assessment

Has your business reviewed waste generation and management practices in the past year?

- Yes
- No

2. Recycling and Recovery Efforts

What materials does your business recycle or repurpose? (Check all that apply):

- Paper and cardboard
- Glass
- Plastics
- Metals (e.g., aluminum, steel)
- Electronics (e.g., computers, monitors)
- Food waste (e.g., composting programs)
- Other (please specify):

3. Waste Minimization Strategies

What steps does your organization take to minimize waste? (Check all that apply):

- Encourage digital communication to reduce paper usage.
- Utilize reusable or refillable containers for supplies.
- Purchase products with minimal or recyclable packaging.
- Donate excess materials or products rather than discarding them.
- Implement a system for reusing office supplies or packaging materials.
- Other (please specify):

Water Conservation

1. Water-Saving Fixtures

Does your facility have water-efficient fixtures installed? (Check all that apply):

- Low-flow faucets and showerheads.
- Water-efficient toilets or urinals.
- Automatic shut-off systems for faucets or hoses.

2. Irrigation and Landscaping

What water-saving measures are implemented in your landscaping practices? (Check all that apply):

- Use native, drought-resistant plants.
- Collect rainwater or use reclaimed water for irrigation.
- Install drip irrigation or similar systems to minimize water use.
- Use mulch to retain soil moisture and reduce water evaporation.

3. Additional Water Conservation Actions

- Regularly inspect for and repair leaks.
- Follow a cleaning schedule that minimizes water usage.
- Educate staff on water-saving techniques.
- Other (please describe)

Energy Efficiency

1. Energy Audit

Has your organization conducted an energy audit within the past three years?

- Yes (Date: ____)
- No

2. Energy Efficiency Practices

What energy-saving actions has your organization implemented? (Check all that apply):

- Upgraded to Energy Star-rated appliances or equipment.
- Installed LED lighting or other energy-efficient bulbs.
- Set thermostats to energy-saving temperatures.
- Integrated sensors or timers for lighting and HVAC systems.
- Encouraged alternative commuting options (e.g., biking, carpooling, transit).
- Other (please describe):

3. Renewable Energy

Does your business use or plan to adopt renewable energy sources? (Check all that apply):

- Solar panels
- Wind energy

- Purchase of renewable energy credits
- Other (please specify):

Declaration

I, **[Name]**, declare that the information provided in this questionnaire accurately reflects our organization's commitment to sustainability. We strive to reduce our environmental impact and comply with applicable environmental regulations.

Signature:

Date (MM/DD/YYYY):

Draft Agenda
Floodplain Development Workshop
January 22, 2025

1. Overview of Floodplain Mapping
 - a. What maps do and don't show
 - b. Updating of maps (when and how)
 - c. Letter of Map Amendment
 - d. Alternative maps
2. Floodplain Regulation 101
 - a. What is currently allowed?
 - b. Development vs. Redevelopment
 - c. Base Floor Elevation
 - d. No Rise
 - e. Filling of floodplain
 - f. 50% Damage Rule
3. What is Reasonable Development ?
 - a. Considerations
 - i. Percentage of developable property in City/ETJ
 - ii. Public safety
 - iii. Affordable housing
 - iv. Private property rights
4. Floodplain Mitigation / Recovery Information (available for pickup)
5. Future Considerations (information purposes only)
 - a. Map updates
 - b. CRS participation
 - c. Ordinance amendments