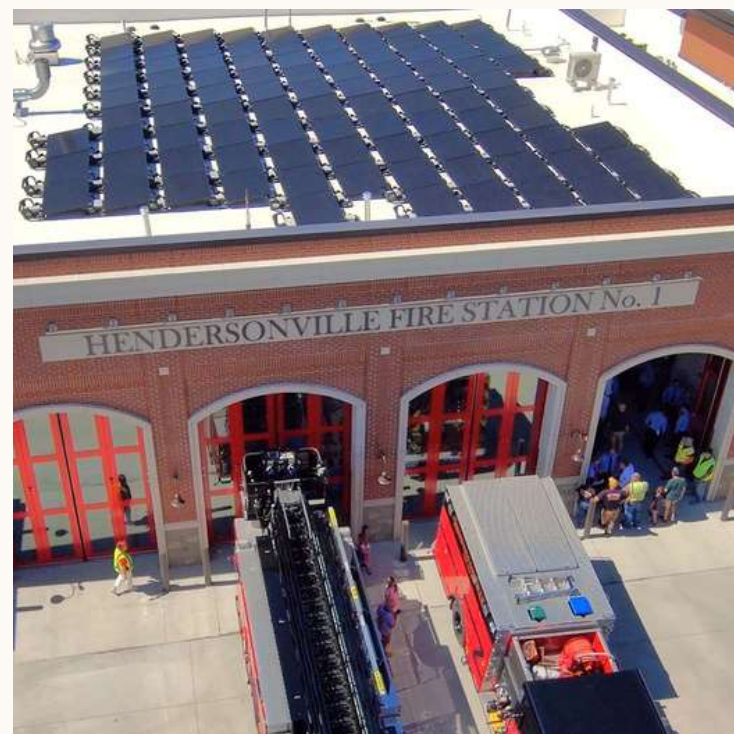


Sustainability Strategic Plan Annual Report



2024-2025



Energy



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

Transportation



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

Waste Management



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

Land Management



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.

Water



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

Energy



- Energy efficiency projects
 - Building automation system at City Hall
 - Insulation at fleet washbay
 - LED lighting at Whitmire Building
- Adopted Sustainable Facilities Policy
- Completed first rooftop solar project on FS1 and approved another solar installation at W&S Biosolids facility
- City building energy benchmark report completed

Highlights:

\$27,600

In Duke Energy rebates for energy efficiency projects

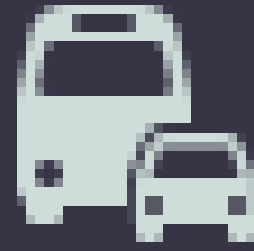


Solar projects: 1 installed and 1 approved

36%

Reduction in utility costs from building automation system at City Hall

Transportation



- Completed propane vehicle test pilot
- Bicycle & Pedestrian Infrastructure Staff Committee assembled
- Sidewalk improvements
- Progress towards formalizing a sustainable fleet transition policy and investigating grant opportunities for electric vehicle fast charger

Highlights: **32%** Average cost savings from switching to propane for City vehicles

Waste Management



- Grant received for improving waste contamination and recycling rates - delayed due to Hurricane Helene & estimated to begin spring 2025
- Sustainability (compost) Demonstration Station initiated by Environmental Sustainability Board
- Approval of W&S biosolids dryer to reduce biosolid waste

Highlights:

\$40,000

Waste reduction grant awarded

1st

Compost demonstration station and pilot drop off location created

Land Management



- Adopted ammended tree canopy ordinance establishing additional requirements for the protection of street trees within the City limits.
- 62 trees planted as part of Tree Board's Neighborwoods Program
- Pollinator planting, wildlife habitat improvements & invasive species removal
- Progress on Brooklyn Community Garden revitalization and expansion project

Highlights:

\$50,000

In grant and City funds devoted to the Brooklyn Community Garden

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

Water



- Reinstated water conservation rebate program
- Green infrastructure on 7th Ave
- Educational efforts
 - 330 students participated in educational programs
 - 8 new educational signs installed throughout the City
 - 30 stream cleanups
 - 73 staff members trained on stormwater management

Highlights:

18,761

Gallons of water/year
saved in water
conservation rebates

\$1.4 million

In stream restoration grant
funds awarded

What's next?

2025 Projects

Transportation

Upcoming projects include:

- Formalizing a sustainable fleet transition policy
- Expanding electric vehicle charging infrastructure

Land Management

Upcoming projects include:

- Expansion and revitalization efforts for Brooklyn Community Garden
- Expand pollinator landscaping and tree plantings

Energy

Upcoming projects include:

- Investigating additional building automation systems at City buildings
- Making headway on biosolids dryer solar installation
- Other energy efficiency projects.

Waste Management

Upcoming projects include:

- Waste reduction grant implementation analyzing recycling rates and curtailing contamination rates
- Expansion of composting programs and opportunities

Water

Upcoming projects include:

- Rainwater harvesting system at fleet maintenance
- Lower Mud Creek Floodplain restoration
- Continuation of water conservation rebate program and educational programs

Track the plan's progress

Visit:
hendersonvillenc.gov/sustainability-strategic-plan

Sustainability Strategic Plan

[View published](#) [New draft](#) [Moderate](#)

30 By 35

By 2035, reduce municipal greenhouse gas emissions by 30% from a 2021 baseline

Through 5 key focus areas:



Energy



Transportation



Waste Management



Land Management



Water

In May 2024, City Council unanimously adopted Hendersonville's Sustainability Strategic Plan which outlines measurable goals and actions to reduce our overall impact on the environment while strengthening our communities, especially those underserved to ensure we have a prosperous future now, and for generations to come. The plan was created with community stakeholders and City departments as well as the public through multiple input sessions and survey. This plan addresses challenges with a path forward on actionable and measurable opportunities to reduce the City's municipal greenhouse gas emissions, GHG by 30% by 2035 through five key focus areas: energy, transportation, waste management, land management, and water.

[VIEW THE FULL PLAN](#)

14 Actions:

<p>Receive 30% of electricity from renewable energy sources.</p>	<p>Achieve 10% Energy Savings from Efficiency Upgrades</p>	<p>Establish Sustainable building policy</p>	<p>Increase amount of Level 2 EV charging stations both publicly & for municipal operations</p>	<p>Transition to low emission vehicles & reduce fuel use</p>	<p>Implement Alternative Transportation Plans</p>	<p>Decrease City-wide Solid Waste by 15%</p>
<p>Establish City compost program</p>	<p>Reduce Biosolids landfill waste by 67%</p>	<p>Increase tree canopy on City owned property to 50% & maintain Citywide tree canopy</p>	<p>Build on existing efforts to reduce pesticide & herbicide use</p>	<p>Enhance & restore City-owned natural areas and parks</p>	<p>Increase education and outreach on water conservation & water quality</p>	<p>Continue protecting and enhancing the water quality City streams and wetlands</p>

Track the plan's progress

Annual Reports