



CHARLOTTESVILLE






Acting on Climate Together

charlottesville.gov/climate
6/8/2022 Senior Statesmen of Virginia

Susan Elliott
City of Charlottesville Climate Protection Program Manager

Climate Action Commitments

- 2006 – US Mayors Climate Protection Agreement
 - Comprehensive Plan (2007; 2013; 2018; 2021)
 - Charlottesville City Council Vision 2025: A Green City (2009)
- 2017 – Global Covenant of Mayors Commitment

PHASE	CLIMATE ACTION (GHG REDUCTIONS)	CLIMATE ADAPTATION
 PHASE 1: Inventory	 Measure city-wide GHG emissions	Identify climate hazards
 PHASE 2: Target	 Set a GHG reduction target	Assess climate vulnerabilities
 PHASE 3: Plan	Develop climate action plans to deliver on target	Develop climate adaptation plan



City of Charlottesville's Climate Protection Program

Charlottesville's Greenhouse Gas (GHG) Emission Goals:

- Reduce GHG emissions 45% by 2030
- Achieve carbon neutrality by 2050



CHARLOTTESVILLE
Acting on Climate Together

Charlottesville's Greenhouse Gas Emissions are approximately:

RESIDENTIAL GHG

30%



COMMERCIAL GHG

30%



TRANSPORTATION GHG

30%



WASTE GHG

5%



charlottesville.gov/climate

Charlottesville's Greenhouse Gas Emissions are approximately:

95%

Community

5%

Municipal

RESIDENTIAL GHG

30%



COMMERCIAL GHG

30%



TRANSPORTATION GHG

30%



WASTE GHG

5%

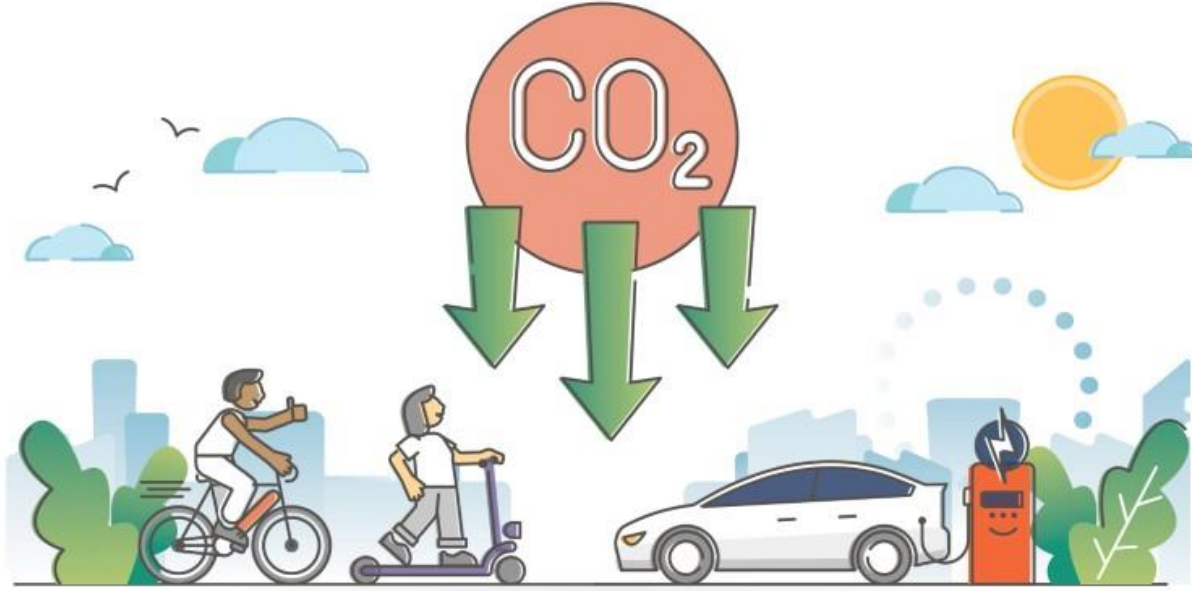




City of Charlottesville's Climate Protection Program

THE CITY'S CLIMATE PROGRAM INCLUDES:

-  Planning for GHG emission reductions and climate adaptation
-  Advancing energy improvements and renewable energy use in buildings throughout our community
-  Encouraging use of fuel-efficient and carbon-free ways of getting around town
-  Supporting public options for electric vehicle charging stations
-  Reducing emissions from waste through composting and landfill diversion



OUR COMMITMENT: By connecting our community with resources and programs that are available, accessible, and affordable, the City's Climate Program aims to support individual action to reduce the impacts of climate change and to help our community thrive.

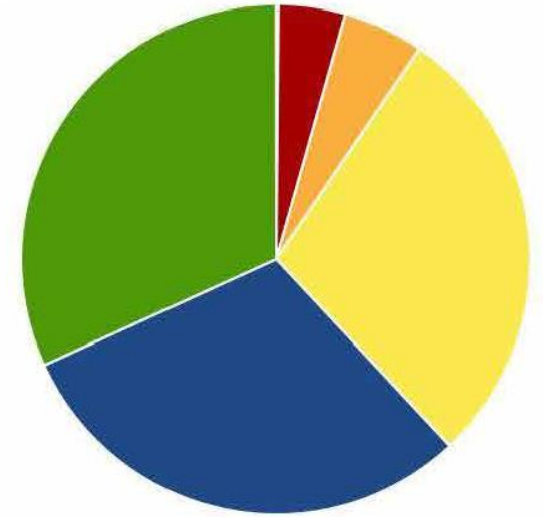
charlottesville.gov/climate

Emissions Outcomes

Charlottesville Community GHG Emissions by Year

Sector	CO ₂ e (MT)				
	2011	2016	2017	2018	2019
Transportation & Mobile Sources	128,835	92,648	92,218	90,938	91,205
Solid Waste	24,694	16,302	16,687	16,721	16,425
Water & Wastewater	-	271	271	271	271
Commercial Energy *	170,003	123,838	117,652	115,046	101,688
Industrial Energy	372	195	190	208	200
Residential Energy	135,405	108,393	100,986	107,699	96,389
Process & Fugitive Emissions	-	13,556	12,857	15,078	
Total	459,309	355,203	340,861	345,961	
% change from 2011		-23%	-26%	-25%	

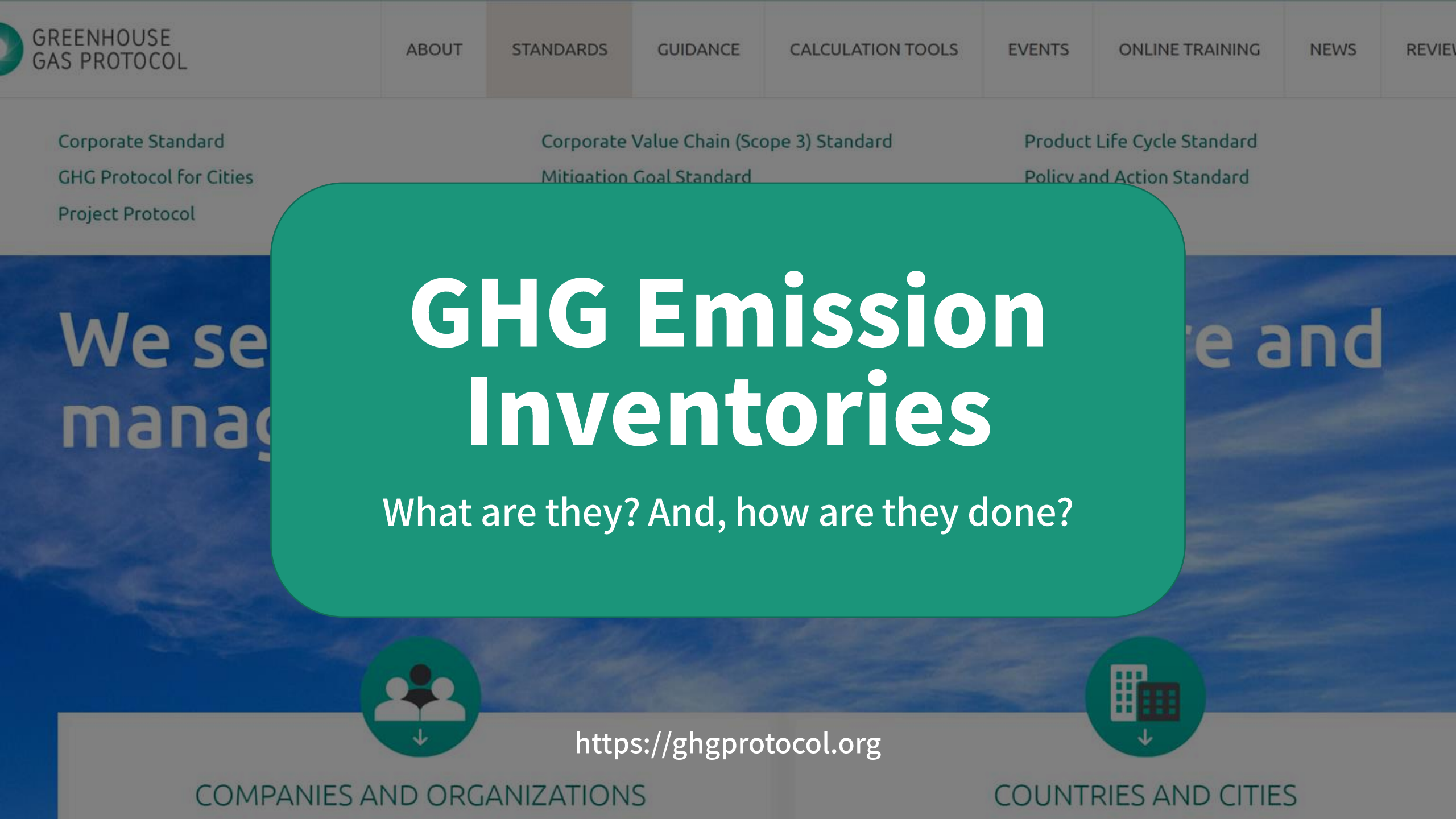
* The Commerical Energy Sector includes Municipal and Non-Municipal Government energy consumption



30%
Reduction
Achieved

Charlottesville's Greenhouse Gas (GHG) Emission Goals:

- Reduce GHG emissions 45% by 2030
- Achieve carbon neutrality by 2050



Corporate Standard

GHG Protocol for Cities

Project Protocol

Corporate Value Chain (Scope 3) Standard

Mitigation Goal Standard

Product Life Cycle Standard

Policy and Action Standard

GHG Emission Inventories

What are they? And, how are they done?



COMPANIES AND ORGANIZATIONS



COUNTRIES AND CITIES

<https://ghgprotocol.org>

How GHG Emissions are Calculated

Activity Data



Carbon Intensity



GHG Emissions

How GHG Emissions are Calculated

Activity Data

Quantity:

- Electricity Use
- Vehicle Miles Traveled
- Gallons of Gasoline
- Tons of Waste



Carbon Intensity

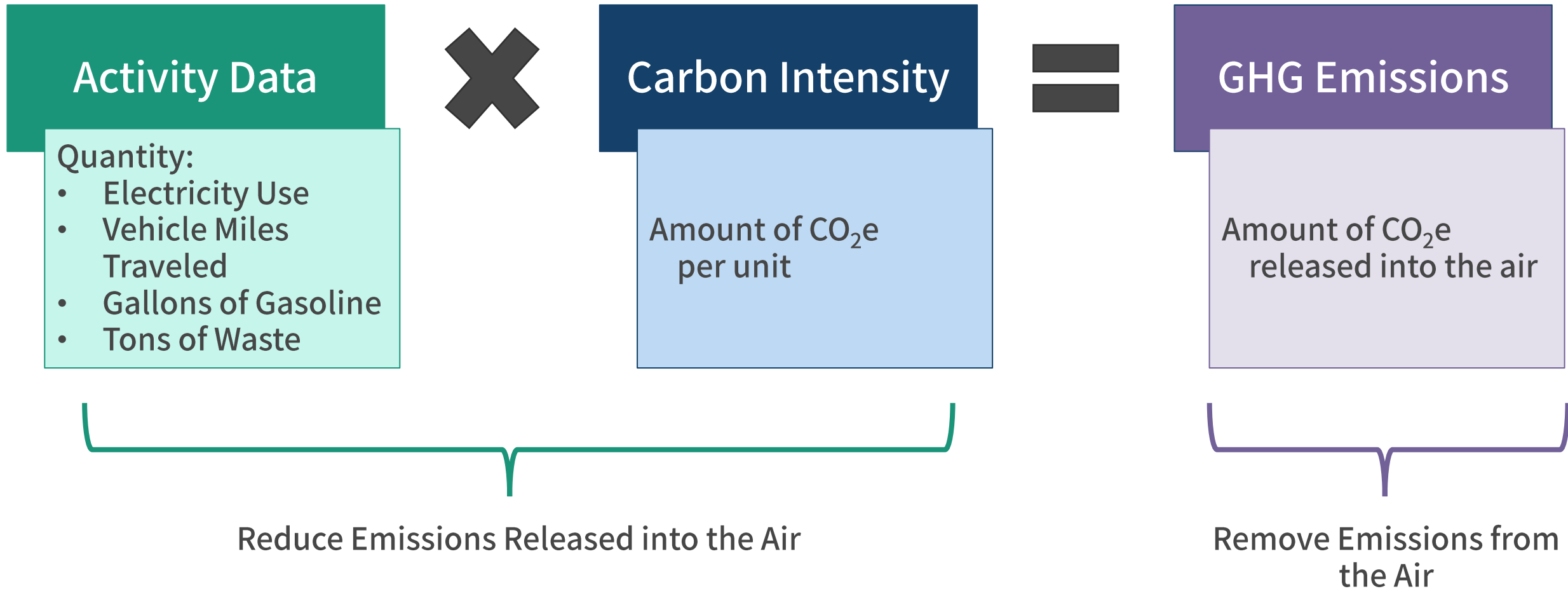
Amount of CO₂e
per unit



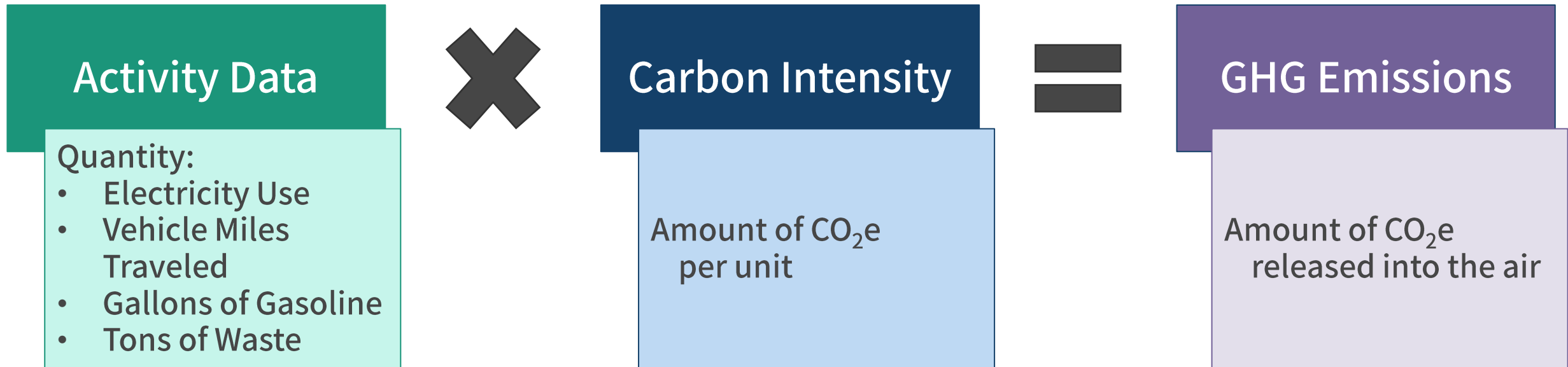
GHG Emissions

Amount of CO₂e
released into the air

How GHG Emissions are Calculated



Reducing GHG Emissions



Emission Reduction Actions

- Reduce Induced Demand
- Increase Equipment Efficiency
- Conservation Behaviors

- Switch to Lower Carbon Fuels
- Renewables

- Sequestration
- Carbon Farming
- Carbon Capture

Strategy Considerations for Buildings



Current, Upcoming, and Potential Funding Routes



New Housing & New Construction (emissions additions)



Proactive retrofits vs. at point of Equipment Replacement



Policy Priorities:

ex. Small Number of Big Buildings,
or Large Number of Small Buildings



Split Incentive (between Property Owners and Renters)



Lifetime Savings vs. Upfront Costs



Resilience, Adaptation, Quality of Life benefits

Strategy Considerations for Transportation



Land Use, Transportation, Natural Resources Planning

New Construction and Housing

- Street Network & Connections
- Street Design
- EV-Ready Standards
- Parking Access (EVs and bikes)

Lifetime Savings vs. Upfront Costs

Split Incentive

Resilience, Adaptation, Quality of Life benefits

Policy Priorities:

- ex. Looking ahead: EV market & current new housing, charging options
- ex. Reliable & connected walkable/bikeable network
- ex. Zoning density & transit ridership (current, future)

Current, Upcoming, and Potential Funding Routes

Stay In Touch



CHARLOTTESVILLE
Acting on Climate Together

- **Climate Action News Flashes – Sign Up!**

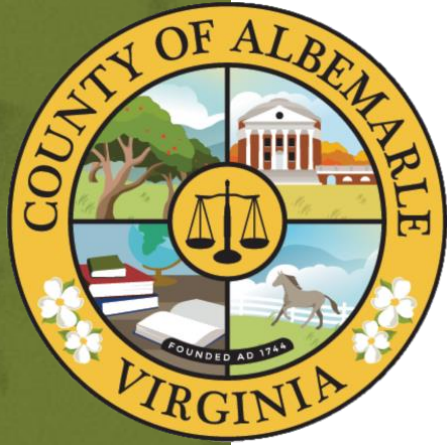
Subscribe to receive emails or texts when new content and events are added:

charlottesville.gov/notifyme

- **Climate Planning webpage:**

- Workshop recordings
- Informational materials
- Future events
- Contact form

charlottesville.gov/climateplan



Presentation for
Senior Statesmen of Virginia

Albemarle County Climate Protection Program

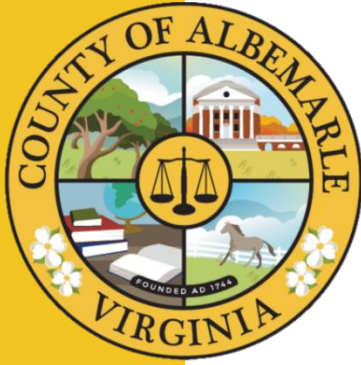
Gabe Dayley

Climate Protection Program Manager

gdayley2@albemarle.org

albemarle.org/climate | albemarle.org/stewardship

June 8, 2022



Agenda



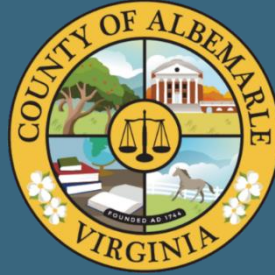
Climate Protection Program Overview



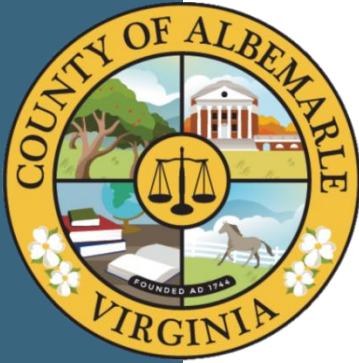
Climate Action & Comprehensive Plan



How You Can Get Involved

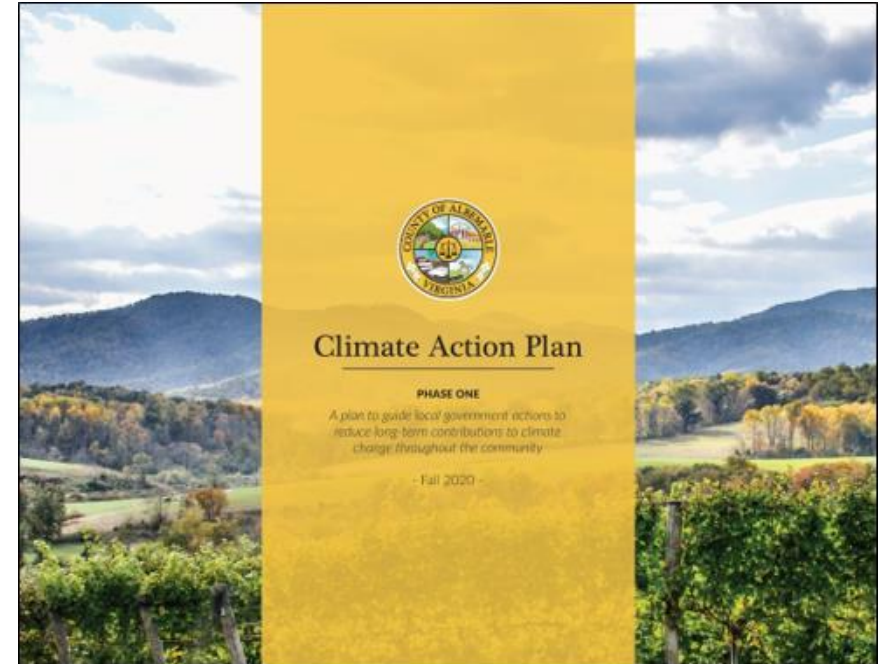


Climate Protection Program Overview

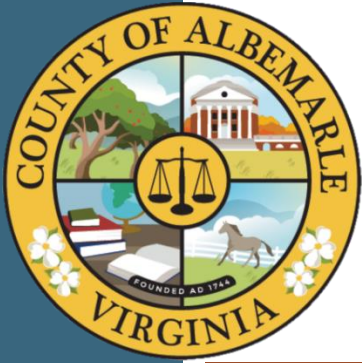


Climate Action Plan

- Adopted in 2020
- Key themes:
 - Health
 - Economy
 - Environment
 - Equity
- Targets:
 - Reduce emissions by 45% from 2008 levels by 2030
 - Achieve zero net emissions by 2050



Albemarle County [Climate Action Plan](#) (2020)



Climate Action Plan

Transportation & Land Use



Building Energy Use



Renewable Energy Sourcing

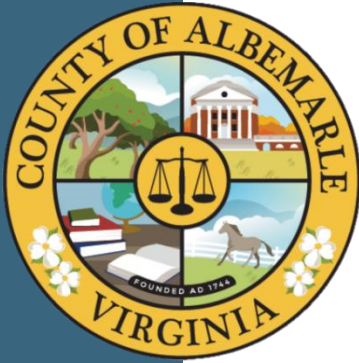


Sustainable Materials Management

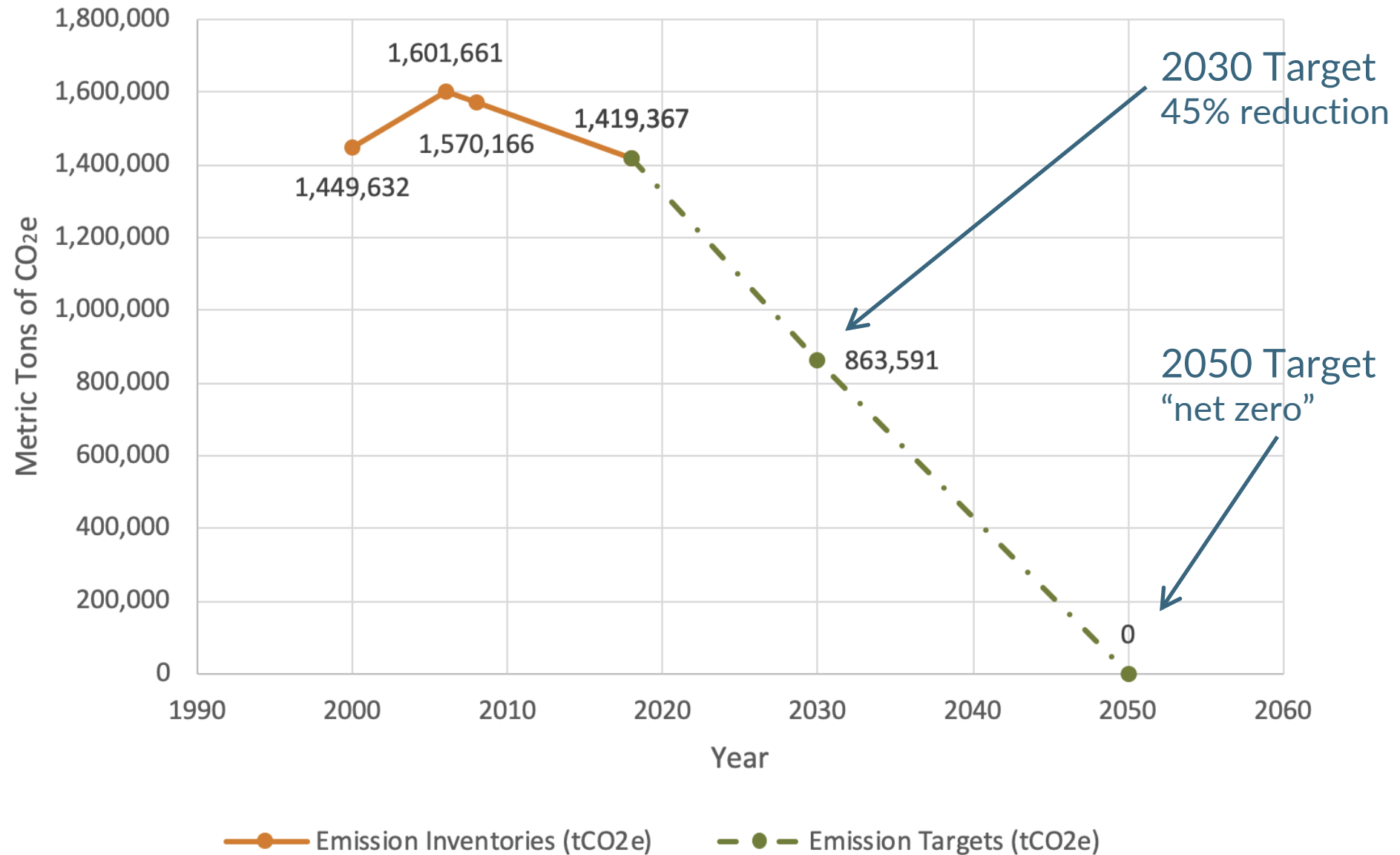


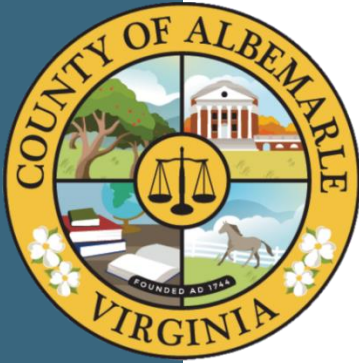
Landscape, Natural Resources, Ag





Greenhouse Gas Emissions and Targets





Current Program Activities

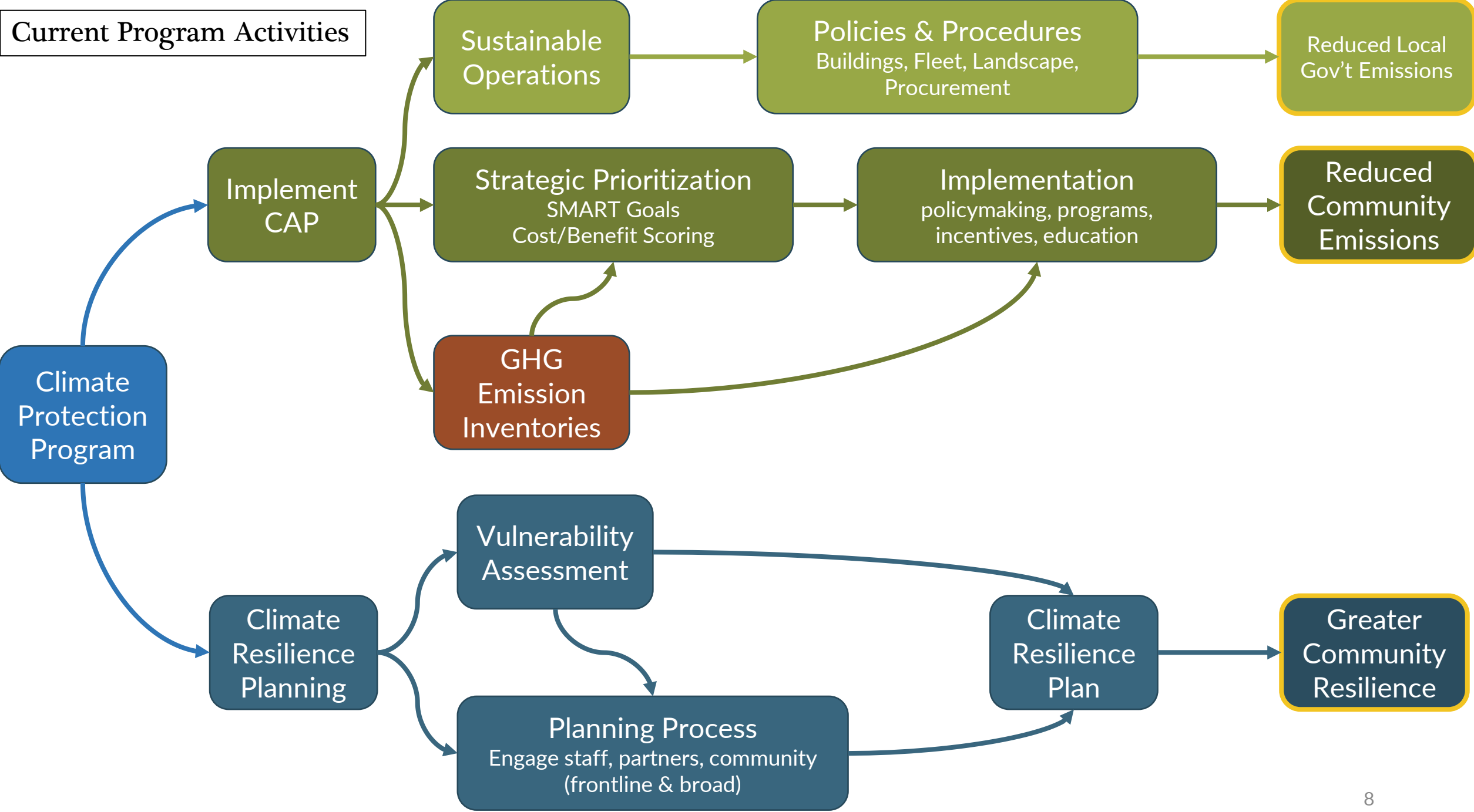
Climate Action Plan Implementation

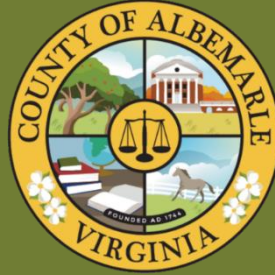
- Prioritize community-oriented actions
- Local Government Sustainable Operations Policies
- 2020 Greenhouse Gas Emission Inventory

Climate Adaptation & Resilience Planning

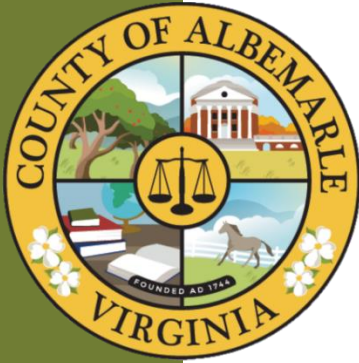
- Vulnerability & Risk Assessment
- Planning Process
- Topics:
 - Extreme Precipitation
 - Extreme Heat
 - Drought & Wildfire
 - Disease & Pestilence

Current Program Activities

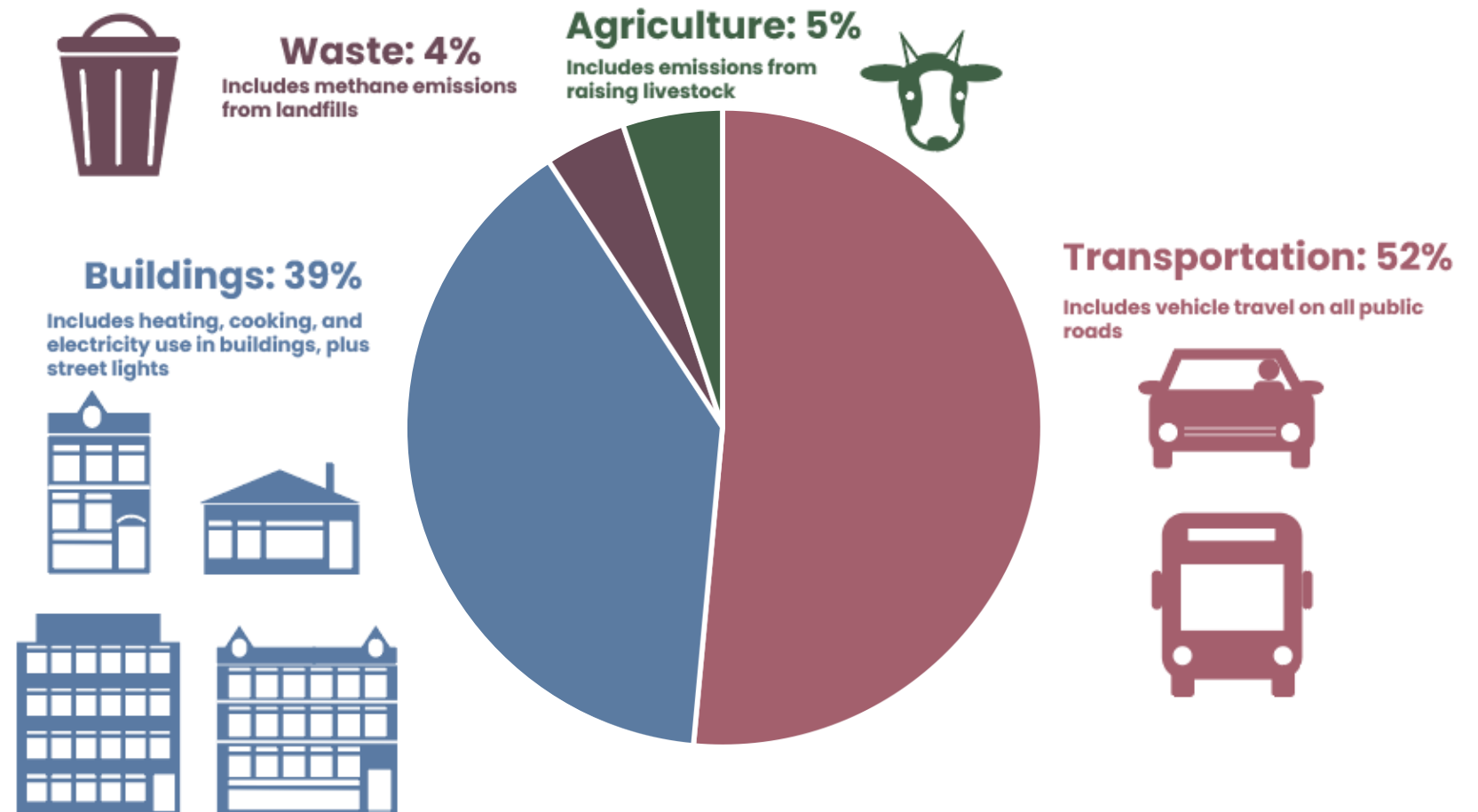


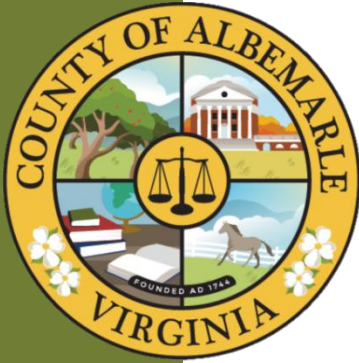


Climate Action and the Comprehensive Plan Update

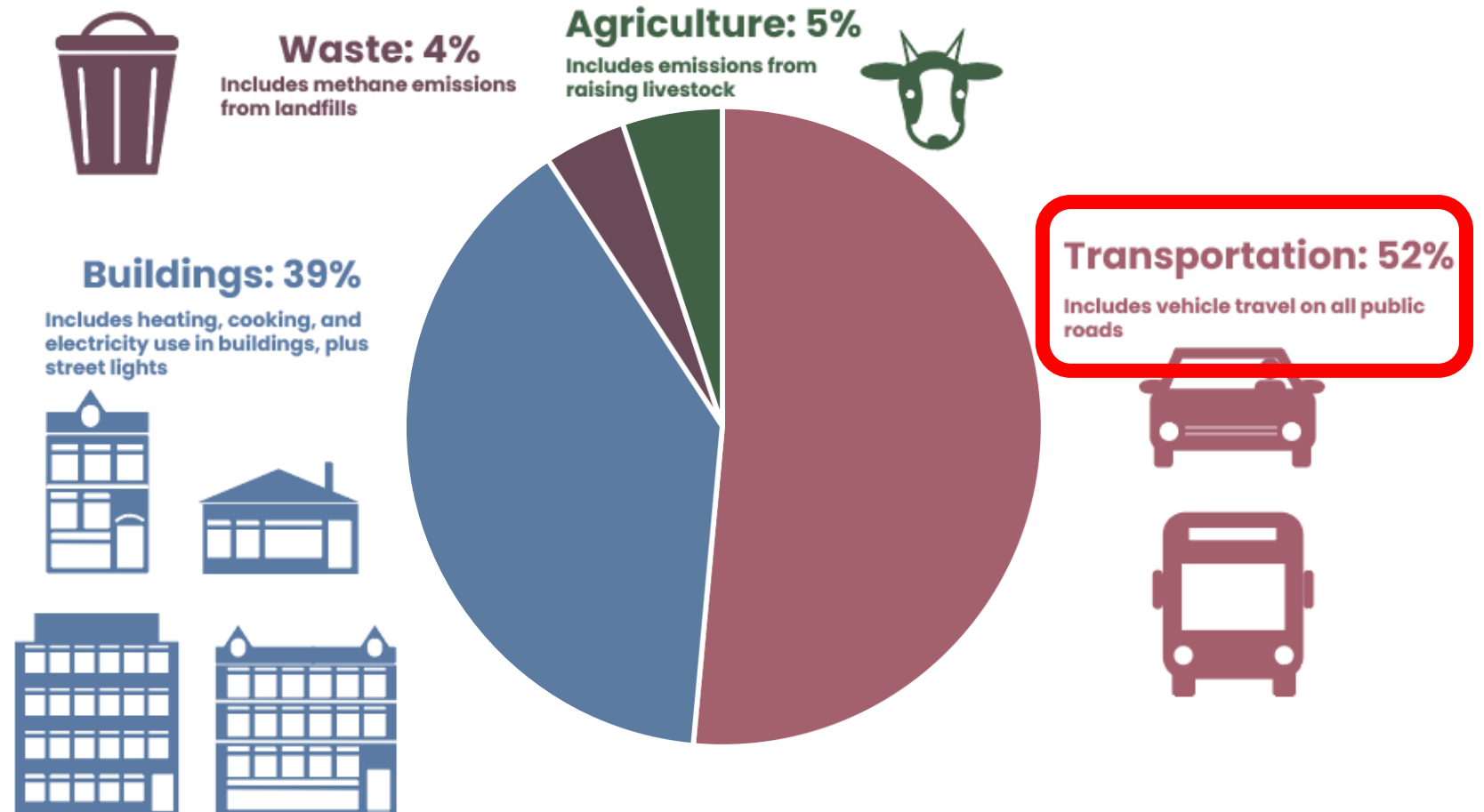


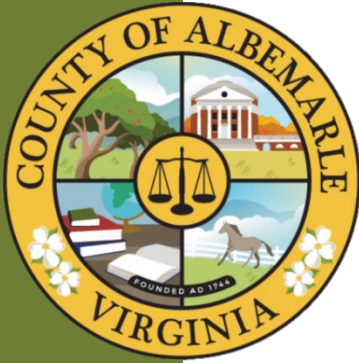
Greenhouse Gas Emissions



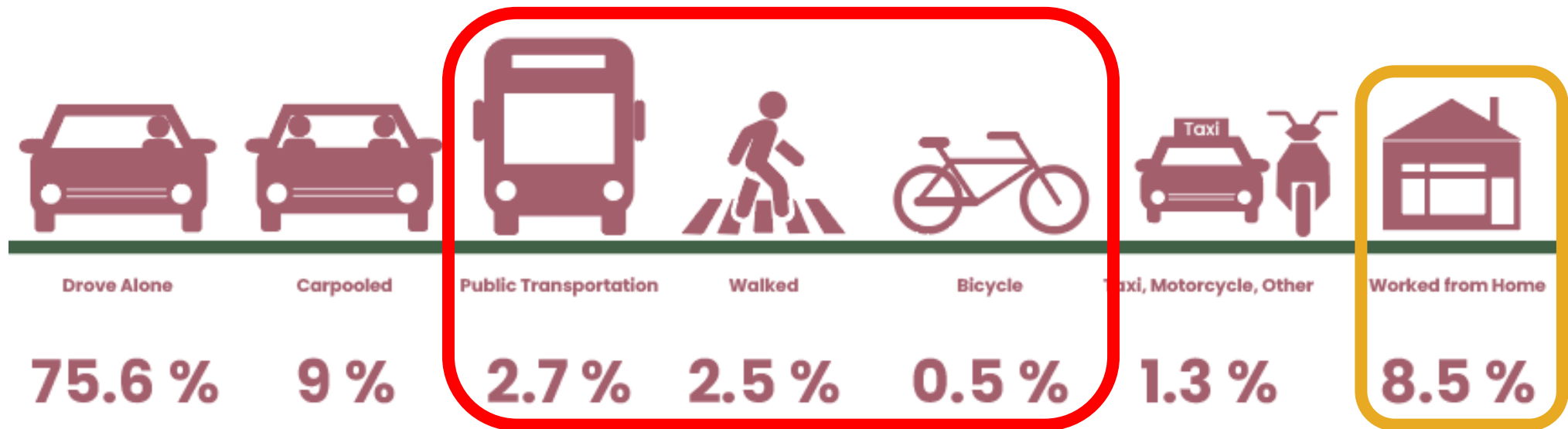


Greenhouse Gas Emissions



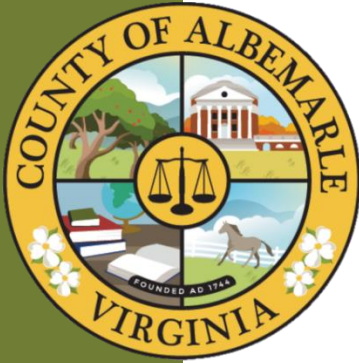


Transportation & Land Use



Means of transportation to work in Albemarle County. Source: U.S. Census, 2015-2019 ACS 5-year: Table S0801.

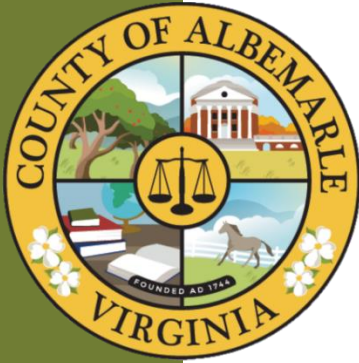
How can growth management and land use decisions help us increase the percentages of public transit, walking, and biking?



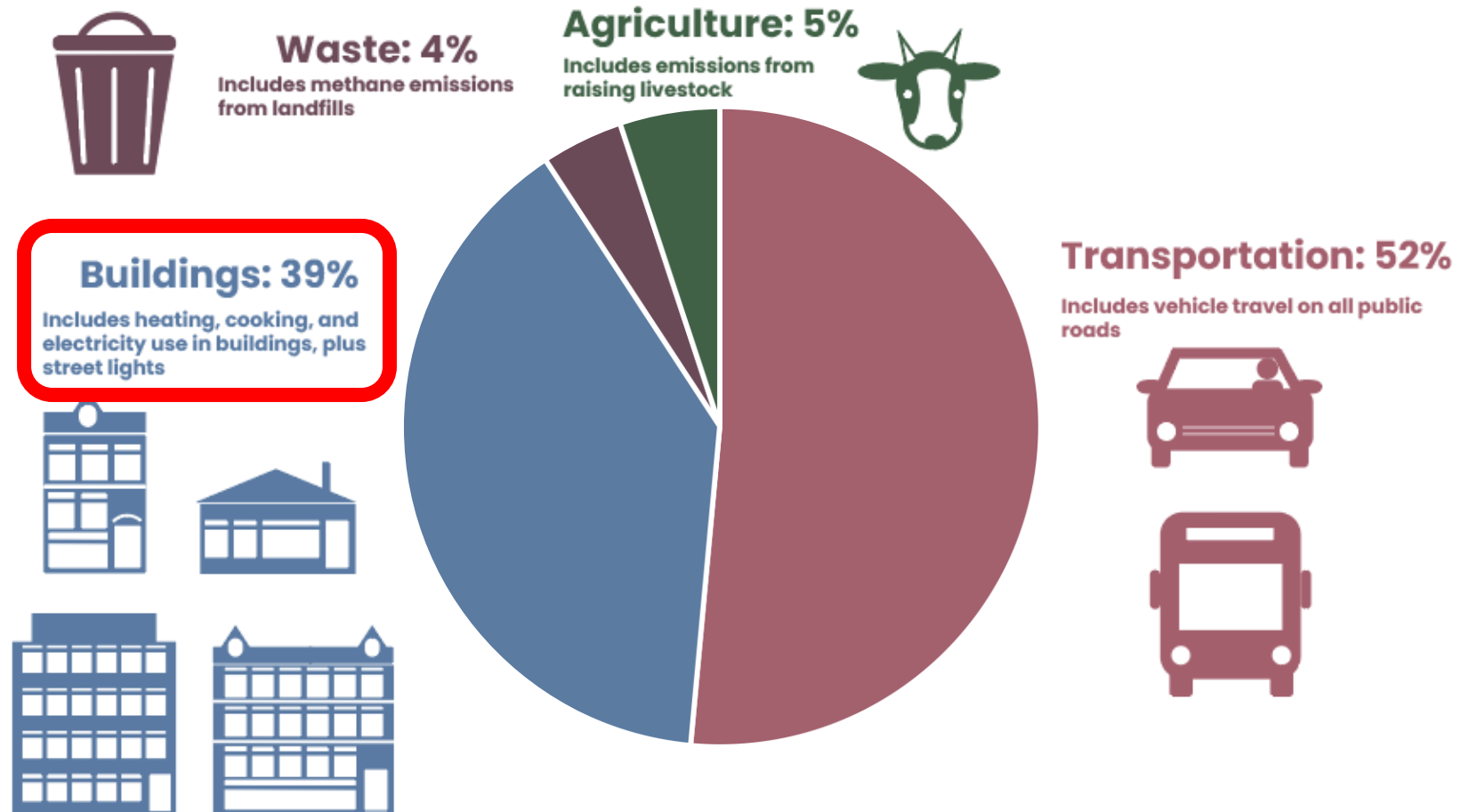
Transportation & Land Use

- 'Complete streets'
- Dense, mixed-use development and affordable housing
- Infill development
- Less parking and more robust transit, bike, ped infrastructure





Greenhouse Gas Emissions



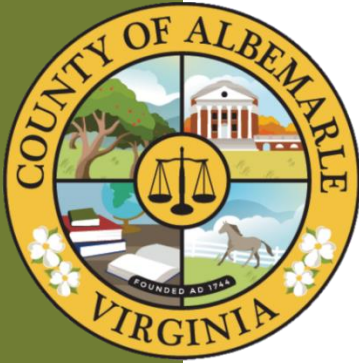


Building Energy Use

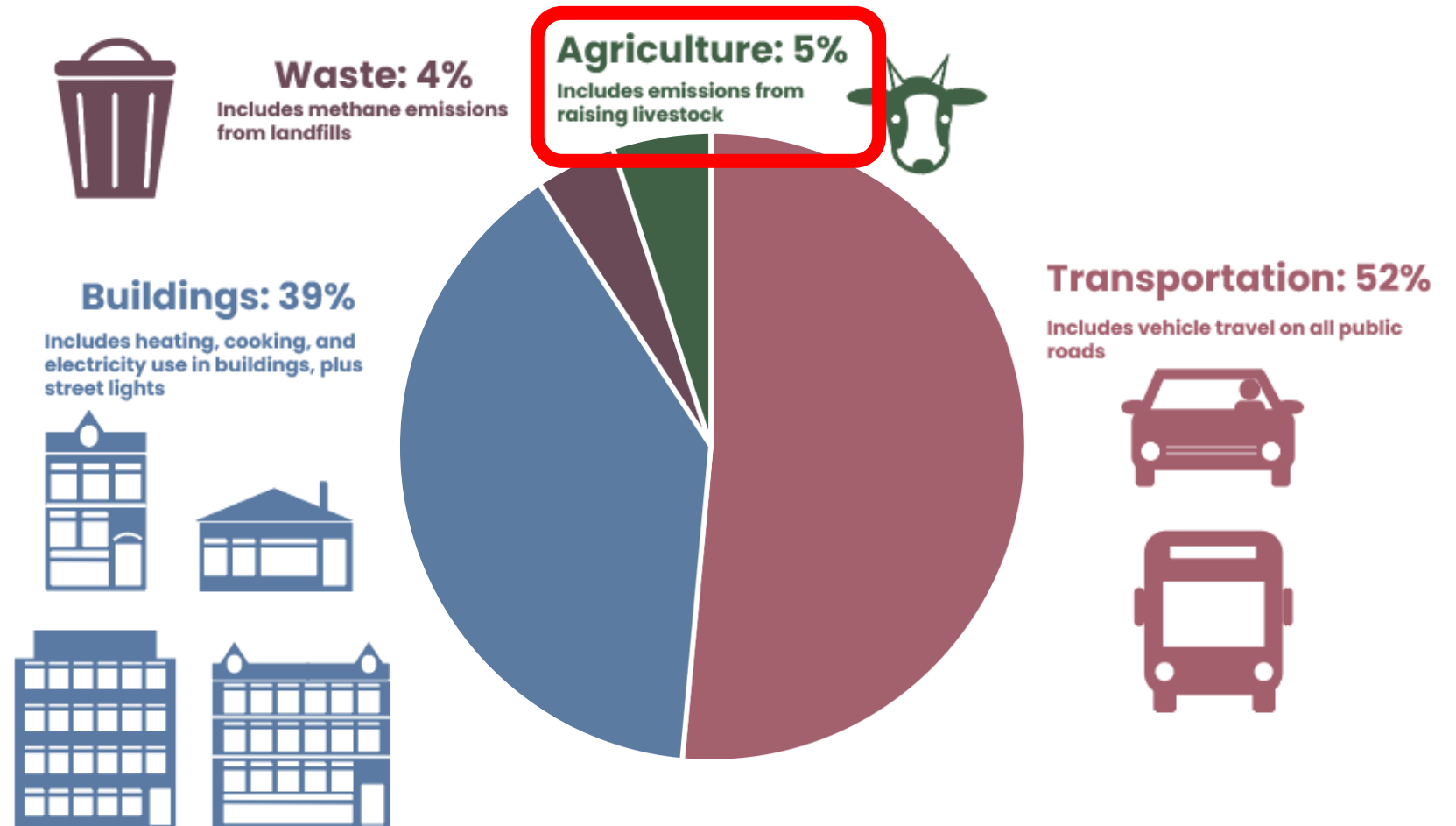
How can the Comprehensive Plan promote:

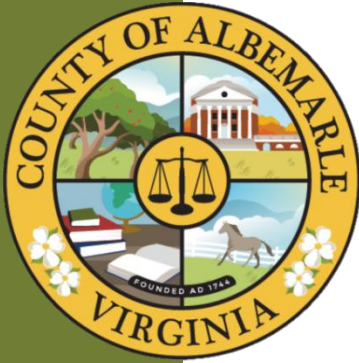
- Electrification
- Solar energy systems
- Adaptive reuse of buildings





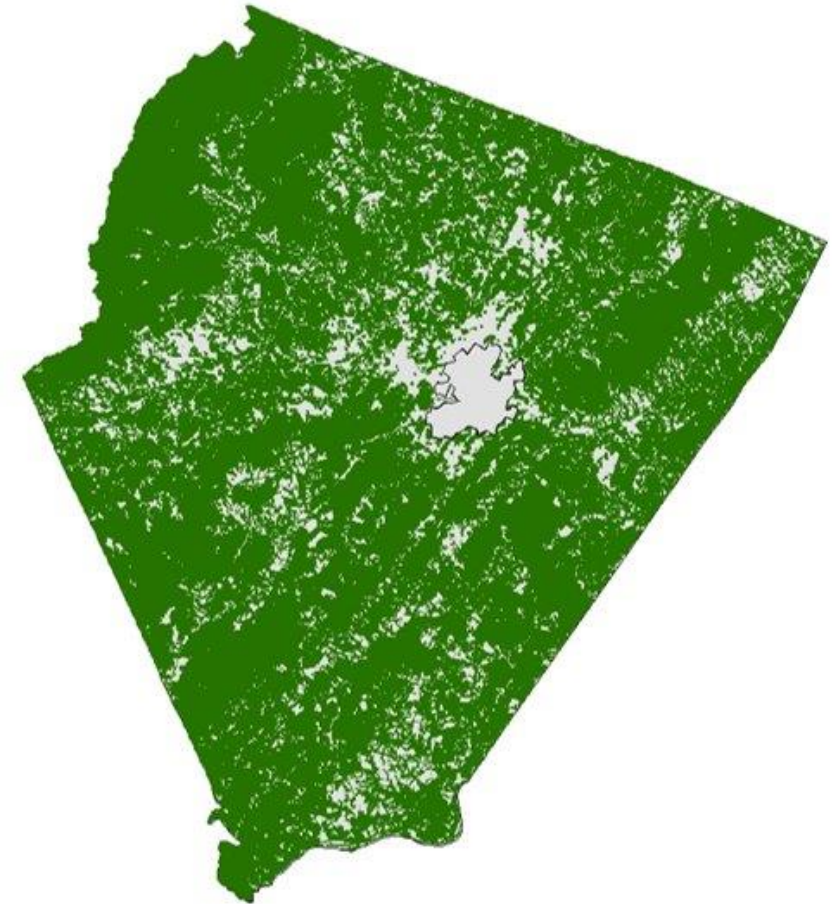
Greenhouse Gas Emissions

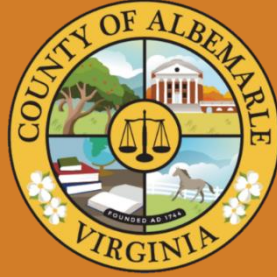




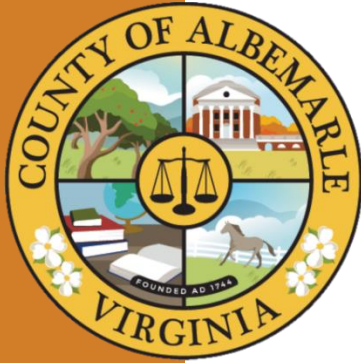
Conservation & Sequestration

- The County's forests and natural areas are helping us—sequestering roughly 950,000 tCO₂e/year.
- How we manage growth can help us:
 - ensure this sequestration continues through conservation and stewardship; and
 - increase sequestration by adding tree canopy.





How You Can Get Involved

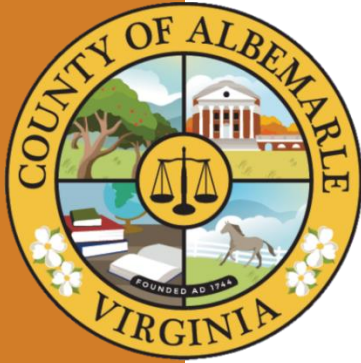


Environmental Stewardship Hub

Launched: Earth Day (April 22, 2022)

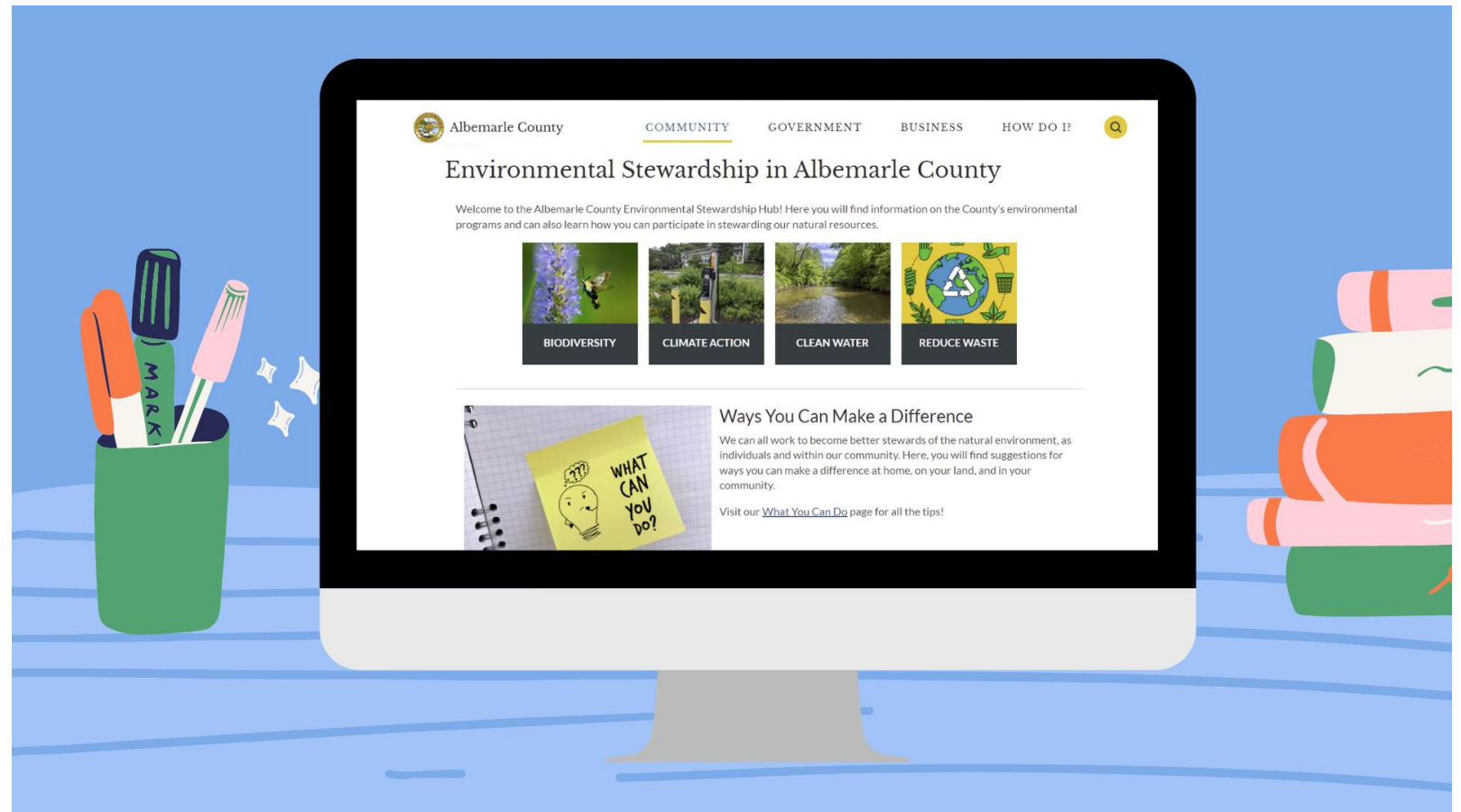
- Learn about County programs
 - Biodiversity
 - Climate Action
 - Clean Water
 - Reduce Waste
- Resources for community members to act
 - At Home
 - On Your Land
 - In Your Community



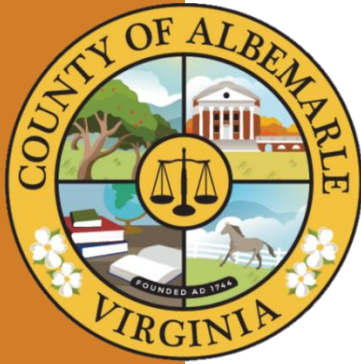


Environmental Stewardship Hub

Launched: Earth Day (April 22, 2022)





Link: [Environmental Stewardship Hub](#)




Environmental Stewardship Hub

Launched: Earth Day (April 22, 2022)

 Albemarle County [EDUCATION](#) [COMMUNITY](#) [GOVERNMENT](#) [BUSINESS](#) [HOW DO I?](#) 

SHRINK YOUR LAWN



Shrink Your Lawn: Creating 'no-mow zones' reduces water, pesticides, fertilizer use, and CO2 emissions. Replacing grass with native plants takes less time and energy to maintain, provides beauty to your yard all year round, and creates important habitat for bees, butterflies, birds, and other wildlife.

GO SOLAR

+

GET A HOME ENERGY AUDIT

+

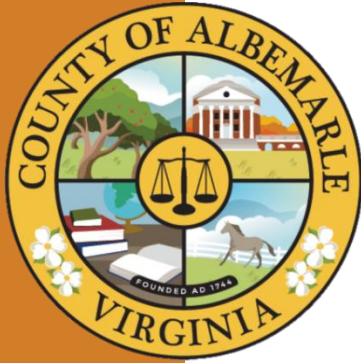
REDUCE ENERGY USE

+

PLANT A TREE (OR TWO, OR THREE!)

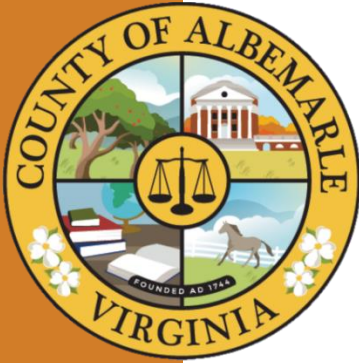
+

Link: [Environmental Stewardship Hub](#)



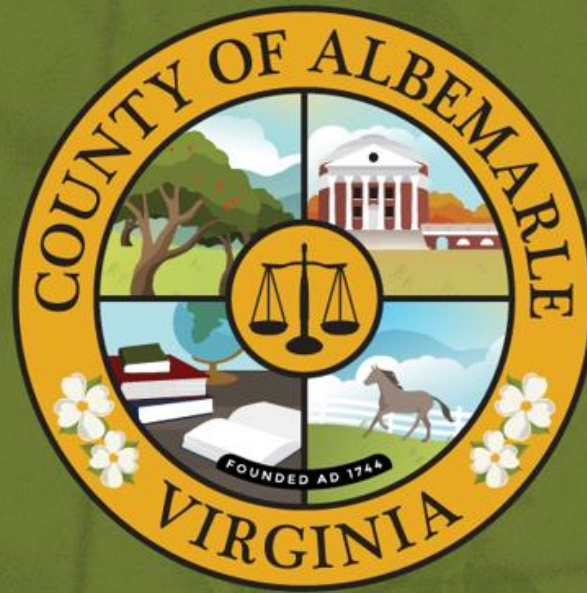
Climate Resilience Planning

- Read the Climate Vulnerability & Risk Assessment
 - Examines the impacts of local hazards exacerbated by climate change on the people, natural environment, built environment, and economy specific to Albemarle County.
 - Albemarle.org/climate → “Quick Links”
- Participate in community process to draft a Climate Adaptation and Resilience Plan

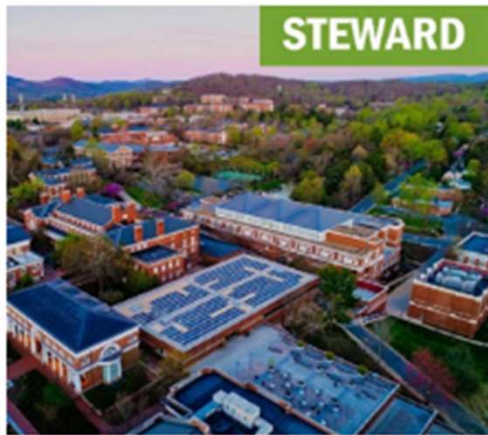


Engage AC44

- Check out the [AC44 website](#) to learn about Planning for Growth.
- Read the [Background Report](#) to learn more about how growth management and climate action are connected.
- [Complete the survey](#) to share your thoughts on the current growth management policy and what should be prioritized in a policy update.
- Stay tuned for more opportunities to participate in June!



UVA SUSTAINABILITY FRAMEWORK



STEWARD our resources on Grounds and beyond by living our values through our actions and operations



ENGAGE in our community, serve our community, and build sustainability awareness



DISCOVER new solutions to global challenges through research, curriculum, and using the Grounds as a learning tool

2030 UVA SUSTAINABILITY PLAN GOALS



Context – Higher Education

Accelerating Action in a Climate Emergency

Ivy+ and Listening Post Institutions Sustainability Collaborative

Report to Executive Leadership, Fall 2021



The Washington Post

U-Va. and William & Mary team up to reduce carbon footprint

Two public universities in Virginia pledge to become 'carbon neutral' by 2030.

Background/History

UVA Sustainability Annual Reports

[2020-2021 Annual Report](#)

[2019-2020 Annual Report](#)

[2018-2019 Annual Report](#)

[2017-2018 Annual Report](#)

[2016-2017 Annual Report](#)

[2015-2016 Annual Report](#)

[2014-2015 Annual Report](#)

Quarterly Sustainability Updates

[Sustainability Update June 2020](#)

[Sustainability Update June 2019](#)

[Sustainability Update March 2019](#)

[Sustainability Update December 2018](#)

[Sustainability Update June 2018](#)

[Sustainability Update March 2018](#)

[Sustainability Update December 2017](#)

[Sustainability Update June 2017](#)

[Sustainability Update March 2017](#)

UVA Greenhouse Gas Reports

[UVA Greenhouse Gas Report CY2020](#)

[UVA Greenhouse Gas Report CY2019](#)

[UVA Greenhouse Gas Report CY2018](#)

[UVA Greenhouse Gas Report CY2017](#)

[UVA Greenhouse Gas Report CY2016](#)

[UVA Greenhouse Gas Report CY2015](#)

[UVA Greenhouse Gas Report CY2014](#)

SIMAP
SUSTAINABILITY INDICATOR MANAGEMENT & ANALYSIS PLATFORM

HOME ABOUT RESOURCES

USER LOGIN

SUSTAINABILITY *

Password *

▶ CREATE NEW ACCOUNT

▶ REQUEST NEW PASSWORD

LOG IN

SIMPLIFYING SUSTAINABILITY DECISIONS

SIMAP® is a carbon and nitrogen-accounting platform that can track, analyze, and improve your campus-wide sustainability. Our proven algorithms, based on nearly two decades of work supporting campus universities with the Campus Carbon Calculator, CarbonMAP and Nitrogen Impact Tool, will help you:

- Create a baseline
- Benchmark your performance
- Create reports
- Set goals
- Analyze your progress year over year

GET SIMAP

YOUR CAMPUS FOOTPRINT

CARBON
CO2 emissions from generating power

NITROGEN
Reactive nitrogen can result from everyday

NEW FEED

[Carbon Calculator](#) by [University of Virginia](#) and [University of California](#), [Feb 2022](#)

SIMAP® and CarbonMAP, a carbon accounting platform, and [New SIMAP](#) have been announced by the [University of Virginia](#).

With the help of the University of Virginia, SIMAP® will help you track and manage your campus footprint, including the most common carbon footprint and nitrogen footprint.

Check out our experience with SIMAP®.

UVA received a [Carbon Footprint Reduction Report](#) from UVA's [Environmental Sustainability & Technology](#) Center. We used two carbon footprint tools to track carbon footprinting on UVA's and UVA's [Campus Carbon Calculator](#) and [CarbonMAP](#).

The [CarbonMAP](#) tool was updated for version 1.0 in August 2021. This tool is available and updated. Go to the [CarbonMAP](#) page for more information.

UVA's [Environmental Sustainability & Technology](#) Center will be a SIMAP® user by 2022, and you can expect to see carbon footprint data soon.

For more information, contact [simap@uva.edu](#).

UVA's Carbon Footprint: Neutrality by 2030 - Progress

UVA 2020 Carbon Footprint

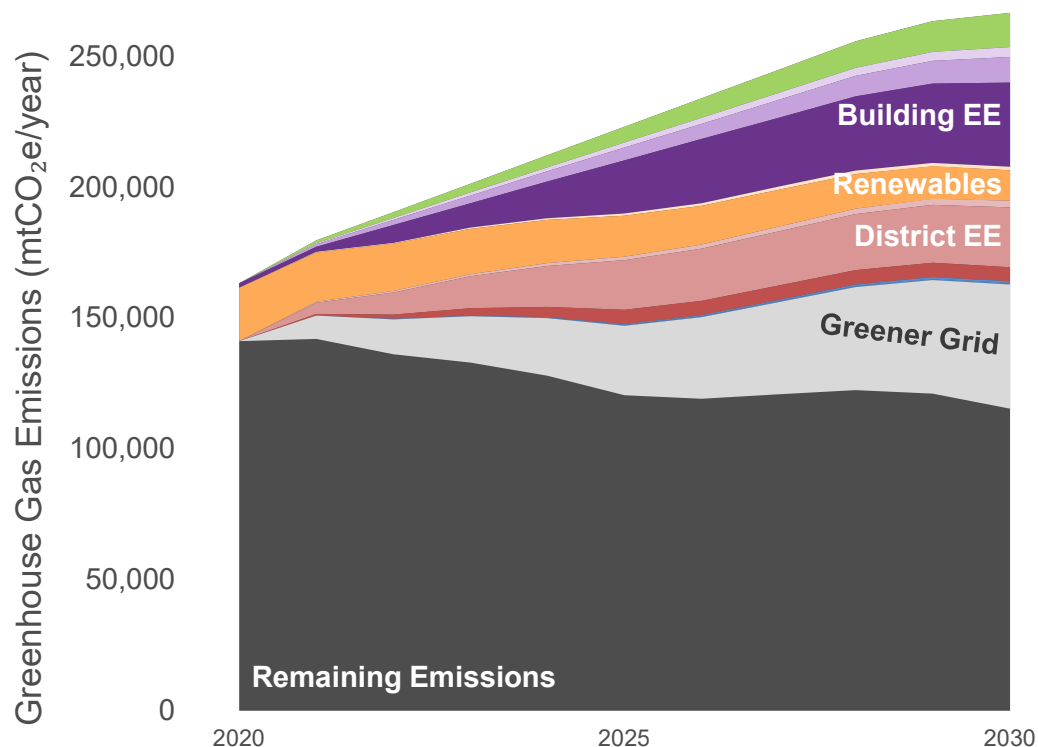


- Goal: Reduce emissions to 0 by 2030.
- In CY2010, the baseline year, UVA's footprint was 291,123 MTCDE.
- As of CY2020, UVA decreased its footprint to 163,327 MTCDE (a 43.9% reduction).
- Since 2010, UVA's population has increased 20.1% and square footage has increased 20.6%. Despite this, UVA has reduced its emissions in half per person and per square foot.

UVA's Carbon Footprint: Neutrality by 2030 - Progress

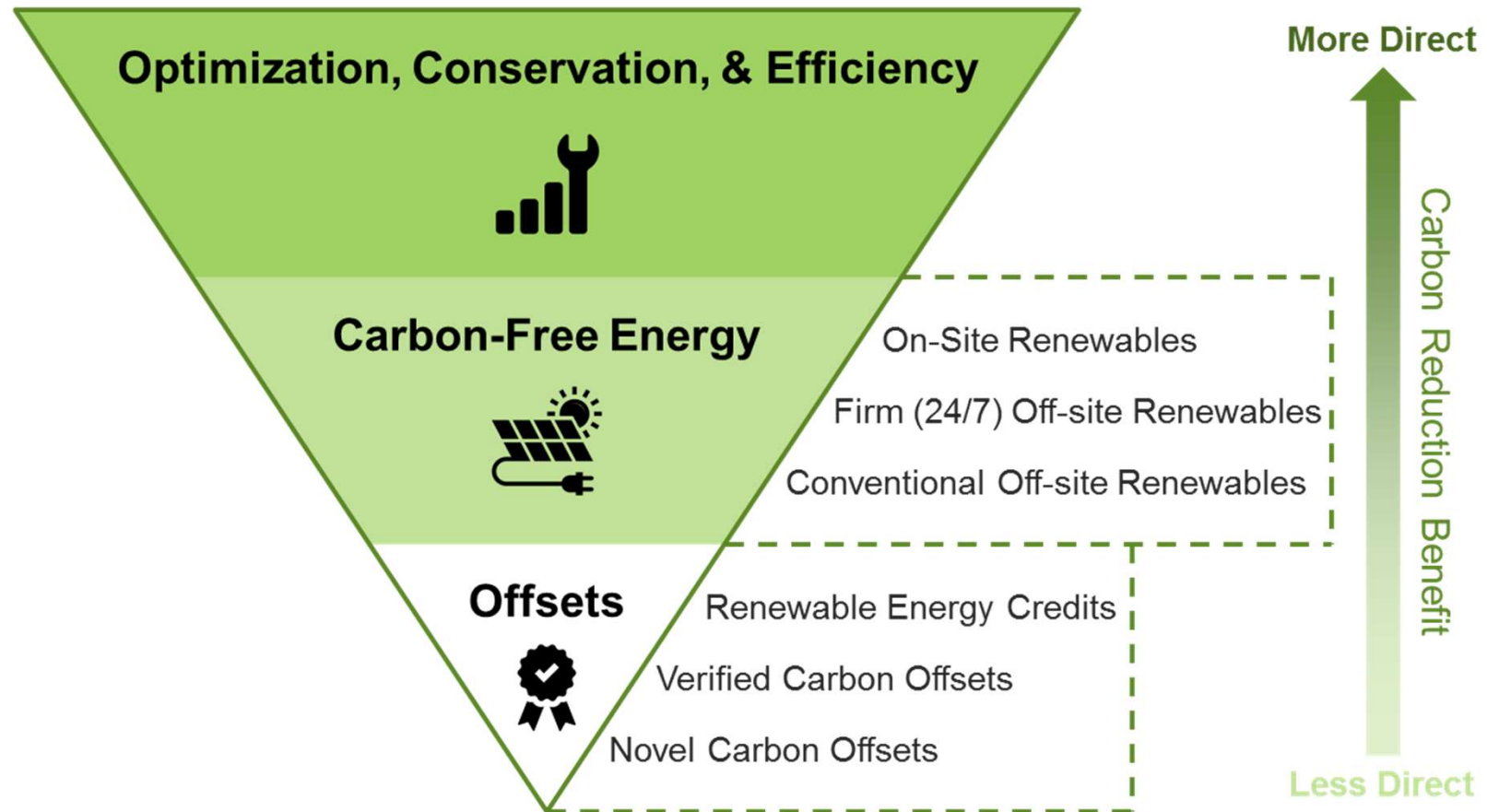
Path A: Current Pathway

Existing and planned initiatives



- We anticipate continued growth in both square footage and population. The estimated footprint in 2030, if UVA were to stop all strategies, is 266,600 MTCDE.
- This includes anticipated growth in emissions of 60,000-70,000 MTCDE (4 million square feet added).
- If we continue existing strategies, we could eliminate 56% of our projected 2030 emissions. This is not enough to counteract growth and not enough to continue the reductions required. Additional strategies are needed.

Approach



UVA CLIMATE ACTION PLAN 2030

Alignment					
Equity	Great & Good	Partnerships	Teaching & Research	Patient Care	Accountability

Focus Areas		
Emissions Source	Supply-driven Focus	Demand-driven Focus
Refrigerants & Fertilizer	Operations	
Fuel - Transport	Fleet	
Fuel - Buildings	Energy Supply	Buildings Engagement
District Heating		
District Cooling		
Electricity		

Commuting	Scope 3 Emissions
Food	
Travel	
Embodied Carbon	
Computing	

Existing Buildings: Deep Energy Retrofits, Smart Labs Program, Smart Clinics Program, Smart Buildings and Controls, Energy Efficient Procurement

New Buildings & Major Renovations: Low Energy Buildings, Zero Energy (or Carbon) Buildings, Building Electrification Space Utilization and Planning

Source Energy: On-site Renewable Energy, Off-Site Renewable Energy, Renewable Combustion Fuel (Biogas, Biomass, Hydrogen), Waste Heat Capture, Energy Storage, Emergency Power/Resiliency

District Energy: Chilled Water Optimization, Hot Water/Steam Optimization, Plant Energy Storage, Plant Waste Heat Capture, Heat Pump Systems/Geo-Exchange (ground source, air source), Deep Geothermal

Fleet: Electric Buses, Electric Vehicles, Electric Vehicle Charging Infrastructure, Hybrid Vehicles, Alternative Fuel Vehicles, Operational Optimization / Right-sizing, Centralized Fleet

Decarbonization Pathways

4 Separate Decarbonization pathways

Path A – Business as Usual

Existing & planned initiatives

Path B – Building Efficiency

Aggressive focus on building energy efficiency

Path C – Plant Efficiency & Electrification

Building & heating plant electrification + optimization

Path D – Efficiency, Electrification, & Renewables

“All of the above” strategy with 100% carbon-free energy procurement

Paths A, B, C would rely on RECs and offsets to drive total emissions to “zero” by 2030

	Baseline Demand Strategies	Aggressive Demand Strategies
Baseline Supply Strategies	Path A Business as Usual	Path B Building Efficiency
Aggressive Supply Strategies	Path C Electrification	Path D Efficiency, Electrification, & Renewables

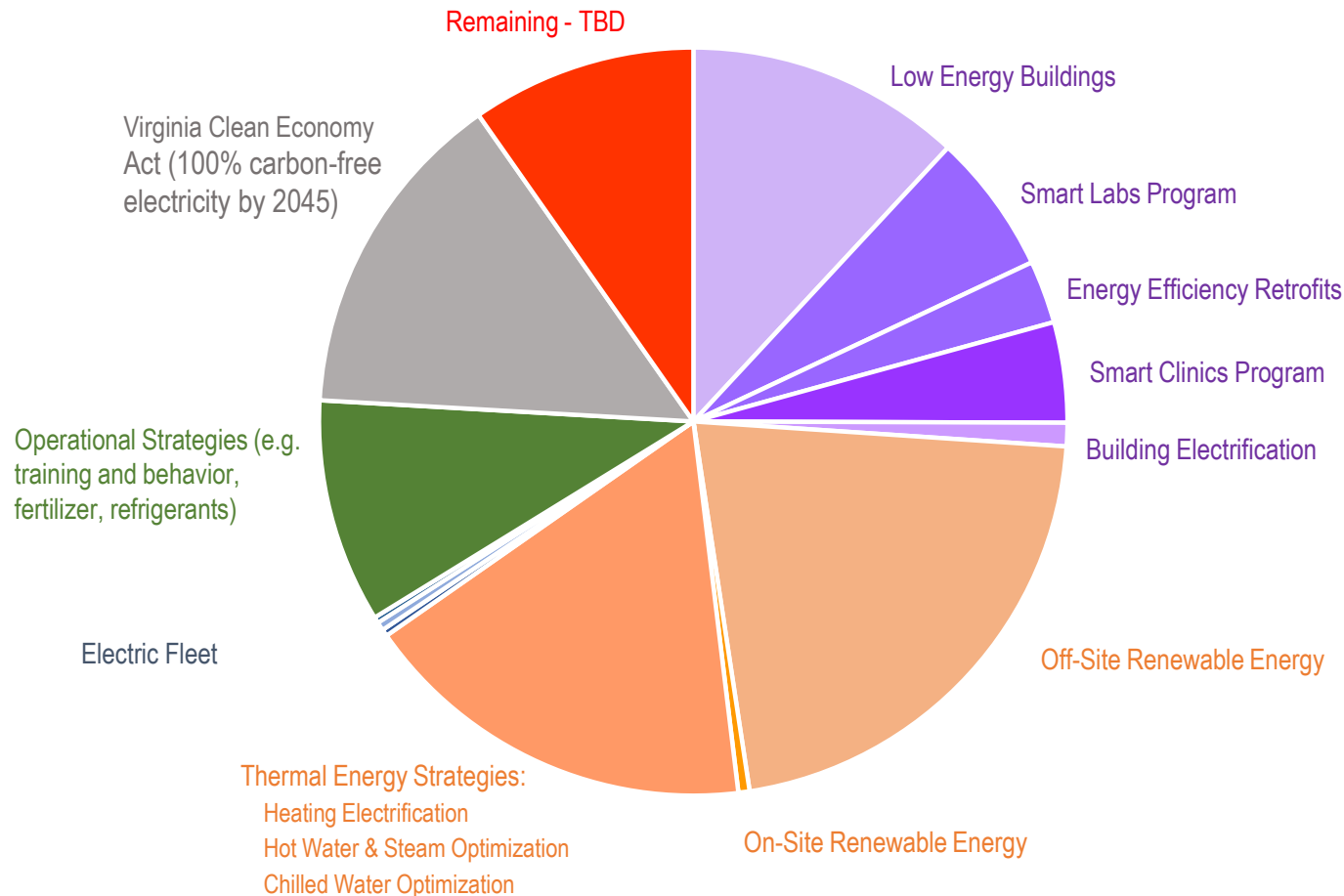
	Path A	Path B	Path C	Path D
Energy Efficiency Retrofits	Partial	Full	Partial	Full
Smart Labs Program	Partial	Full	Partial	Full
Smart Clinics Program	None	Partial	None	Full
Low Energy Buildings	Full	Full	Full	Full
Zero Energy Buildings	None	Full	None	Full
On-site Renewable Energy	Partial	Partial	Full	Full
Off-site Renewable Energy	None	None	None	Full
Chilled Water Optimization	Partial	Partial	Full	Full
Hot Water & Steam Optimization	Partial	Partial	Full	Full
Heating Electrification	Partial	Partial	Full	Full
Electric Buses	Partial	Partial	Full	Full
Electric Vehicles	Partial	Partial	Full	Full
Fleet Optimization	Partial	Partial	Full	Full
Combined Operations Strategies	Partial	Full	Partial	Full
Virginia Clean Economy Act	Full	Full	Full	Full

Climate Action Plan – Plan Strategies, Relationship to STES

POTENTIAL EMISSIONS REDUCTION STRATEGIES

Low Energy Buildings	Building Efficiency
Smart Labs Program	
Energy Efficiency Retrofits	
Smart Clinics Program	
Zero Energy Buildings	
Building Electrification	
Off-site Renewable Energy	Energy Supply: Strategic Thermal Energy Study
Thermal Energy Strategies: Heating Electrification Hot Water & Steam Optimization Chilled Water Optimization	
Chilled Water Optimization	
On-site Renewable Energy	
Electric Buses	
Electric Vehicles	Fleet
Fleet Optimization	
Combined Operations Strategies	Operations (e.g. fertilizer, refrigerants, behavior, training)
Virginia Clean Economy Act	Greener electric grid (100% carbon-free electricity by 2045)

Carbon Neutral by 2030: Recommended/Possible Reduction Strategies



- Chart represents UVA's total anticipated footprint (including growth): 266,600 MTCDE.
- Slices represent the estimated reductions possible for each strategy.
- Energy supply strategies (in orange) represent an estimated 40% of the emissions reductions. These are covered in the Strategic Thermal Energy Study and will be refined through the STES process.

Existing Buildings

Clark Hall's Energy-Savings Efforts Earn UVA Building National Recognition

Jan 18, 2019 | Lorenzo Perez / Senior Writer

Home to the University of Virginia's Department of Environmental Sciences and three floors of environmental research labs, Clark Hall served as an unsurprising candidate to lead UVA's energy conservation efforts by example.



Energy reduced by 65%
Carbon emissions cut by 2/3
\$750,000 savings per year

UVA has >500 existing buildings

- UNESCO World Heritage Site
- R1 Research University
- Level 1 Trauma Center

UVA Building Efficiency Upgrade Program

- 75 retrofits and counting
- \$55M in energy savings, \$21M invested
- 20,000 MtCO₂e/year savings
- **13% carbon footprint reduction**



UVA Building Performance Energy and Water Tracker

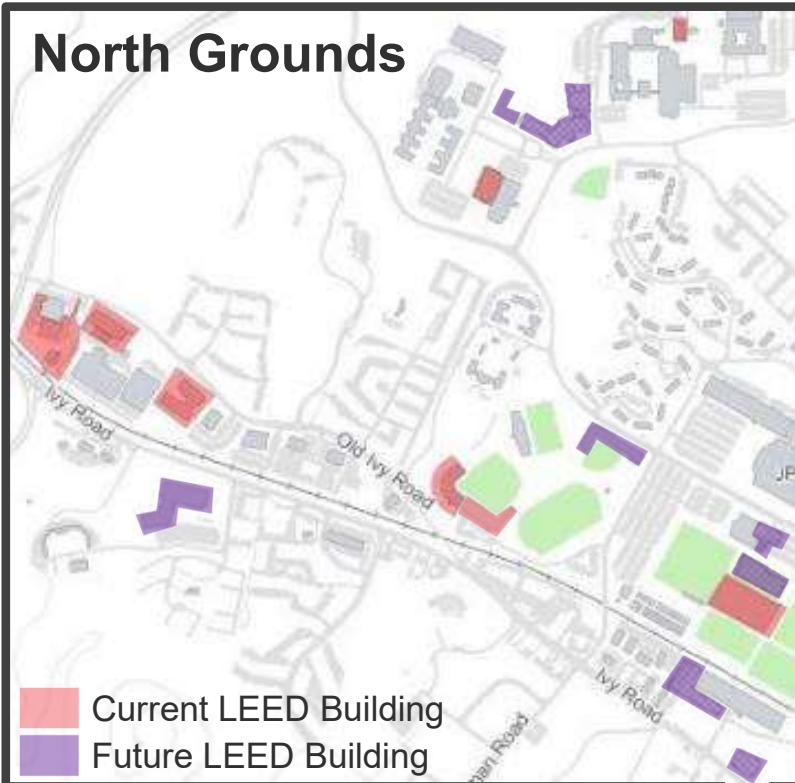
New Construction

UVA Green Building Standards (low energy targets + fossil-fuel free + solar-ready construction, etc.) + LEED certification

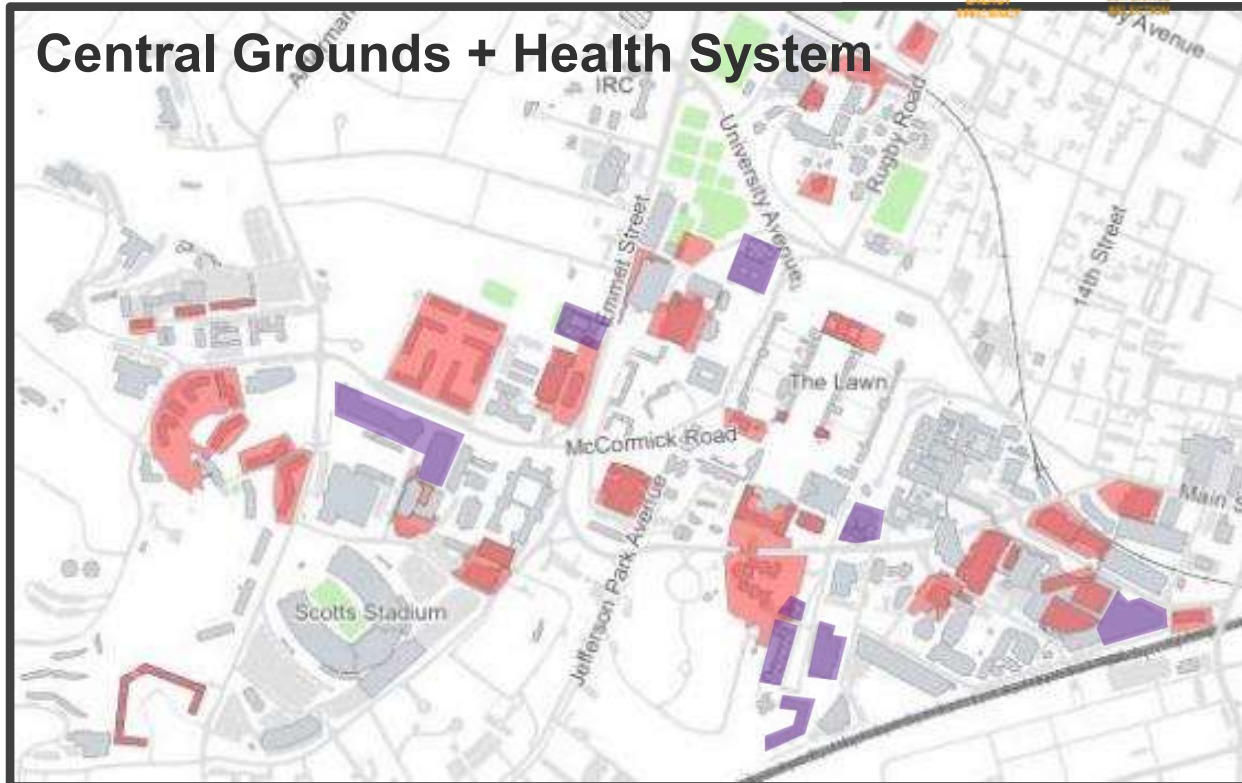
74 LEED buildings at UVA, >4 million sf (80 football fields)



North Grounds



Central Grounds + Health System



Evaluating Performance

University-Wide

- Building metering
- Annual reporting
- Post occupancy survey report with building performance data and thermal comfort survey

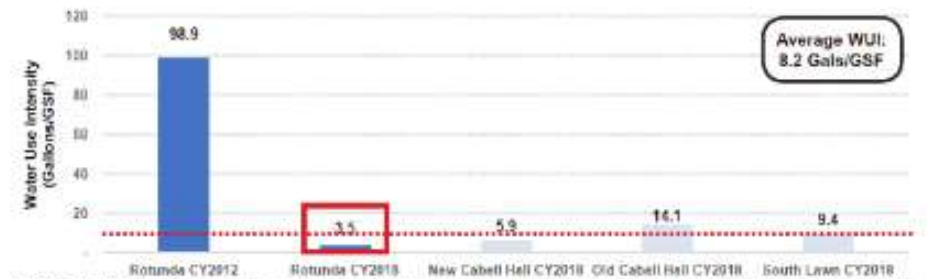
APPENDIX H: Normalized Summary of Results - Rotunda

For this energy and water analysis, the Rotunda was benchmarked against buildings with similar primary uses, location and infrastructure. In 2018, the Rotunda performed below the average Energy Use Intensity (EUI) of the benchmarked buildings (93.3 kBtu per GSF) with approximately 77.3 kBtu per GSF. It also performed below its LEED modeled EUI.

Figure 1: Rotunda Energy Use Intensity (kBtu/GSF) with Benchmarks

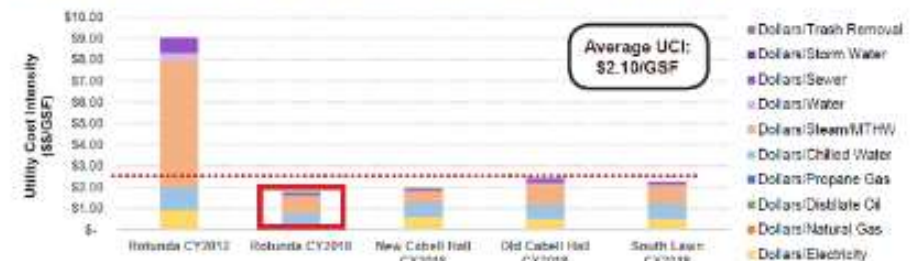


Figure 2: Rotunda Water Use Intensity (Gallons/GSF) with Benchmarks



In 2018, the Rotunda's total utility costs per GSF were smaller than the average of benchmarked buildings. Most notably, the Rotunda reported the smallest chilled water and electricity costs per GSF.

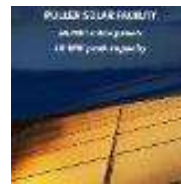
Figure 3: Rotunda Utility Costs by Square Foot (\$\$/GSF) with Benchmarks



Renewable Energy

Four “Deliveries” of Solar at UVA

1. On Grounds – Roof Lease (364 kW peak capacity, 1589 panels)
2. On Grounds – Owned and Operated (271 kW peak capacity, 890 panels)
3. Off Grounds – Power Purchase Agreement (32 MW, 645,000 panels)
4. *Potential*: On Grounds – Power Purchase Agreement (max capacity apx. 3 MW)



UNIVERSITY TRANSIT SERVICES BEGINNING TO GO ELECTRIC WITH NEW BUSES



UVA will begin its transition to electric school buses with four new buses manufactured by Proterra. (Contributed photo)



Trending

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Dungeons & Dragons and Bungee: 'Really Bad Decision' When We Don't Design Practices into [MORE](#)



Good? What? Where? Try [MORE](#)



GREEN FLEET

The University of Virginia Facilities Management Fleet recently earned the Sustainable Fleet Accreditation, recognizing its efforts to build a fleet of cleaner and more sustainable vehicles.



UVA Facilities Management employees who assisted with the department earning the Sustainable Fleet Accreditation included, back row from left, Michael Duffy, Mark Glavin, Don Sandgren, John Jenkins, Mark Webb, Ken Moore and Jesse Warner; and front row from left, Justin Agnew, Cheryl Gonsky, Emily Saul and Jess Watson.

The University of Virginia Facilities Management Fleet recently earned the [Sustainable Fleet Accreditation](#), becoming the only active university fleet in Virginia to receive this designation.

"It is exciting to be recognized for our efforts to reduce the University of Virginia's carbon footprint and lower greenhouse gas emissions," said

Sustainability Advocates, Eco-Leaders, Zero Waste Ambassadors, Student Employees



Apply to be a
ZERO WASTE AMBASSADOR
with UVA Sustainability & UVA Dine

UVA Sustainability & UVA Dine are looking for student ambassadors to participate in a waste minimization pilot program that assesses competing efforts on campus. Participants can expect to receive UVA team gear, learn to help us measure food waste and monitor recycling at the Dining Hall and Library.

Why participate?

Join UVA 2020/2021 Sustainability Plan team for an ambitious waste minimization goal of decreasing waste generated to 50% of 2020 levels. Through participant engagement, you will play a direct role in achieving this University sustainability goal, waste reduction and practical that we have set our goal.

We have experienced working closely with UVA Dining for sustainability, and UVA Dining and UVA Dine on waste minimization efforts and sustainable education. This is a great opportunity to build your sustainability network, establish professional relationships, and get involved with sustainability to share with future employees.

Participant expectations:

- Attend 2021 training (1 day) in class at the University
- Attend weekly 30-min advisory meetings to assist with strategies on waste minimization efforts
- Provide ongoing support (10-15 min) to help faculty staff (20 min) during your assigned shift (10 min) at the Dining Hall
- Report on waste data to Sustainability Coordinator after respective shifts
- Participants must complete at least 10 shifts to get official UVA recognition



Student Leadership



UVa Decarbonization Academy

[ABOUT THE DECARBONIZATION ACADEMY](#) [THE EXPERIENCE](#)

The Teaching & Research Sub-Committee of the University Sustainability Committee, with support from the Environmental Resilience Institute (ERI), is pleased to announce the launch of the inaugural Summer Decarbonization Academy. The Academy will occur June 13 to August 5, 2022 and provide a hands-on learning experience for rising third-years, fourth-years, and graduate students currently enrolled in any UVA program interested in working towards UVA's goals of being and carbon-neutral by 2030 and fossil fuel-free by 2050. Student participants will receive \$5000 for the summer.

Participants will engage with faculty and staff through the program's two signature components. First, participants will complete a hands-on, individual decarbonization learning experience ("project"). Second, participants will complete group-based shared learning activities to develop connections among the fellows and foster dissemination of cutting-edge content.

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