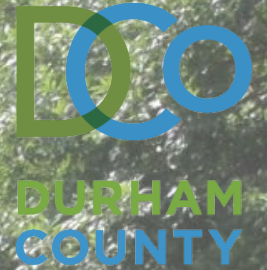


DURHAM NEIGHBORHOOD COLLEGE 2019



Sustainability Office

Presented by Tobin Freid



Sustainability Office Mission

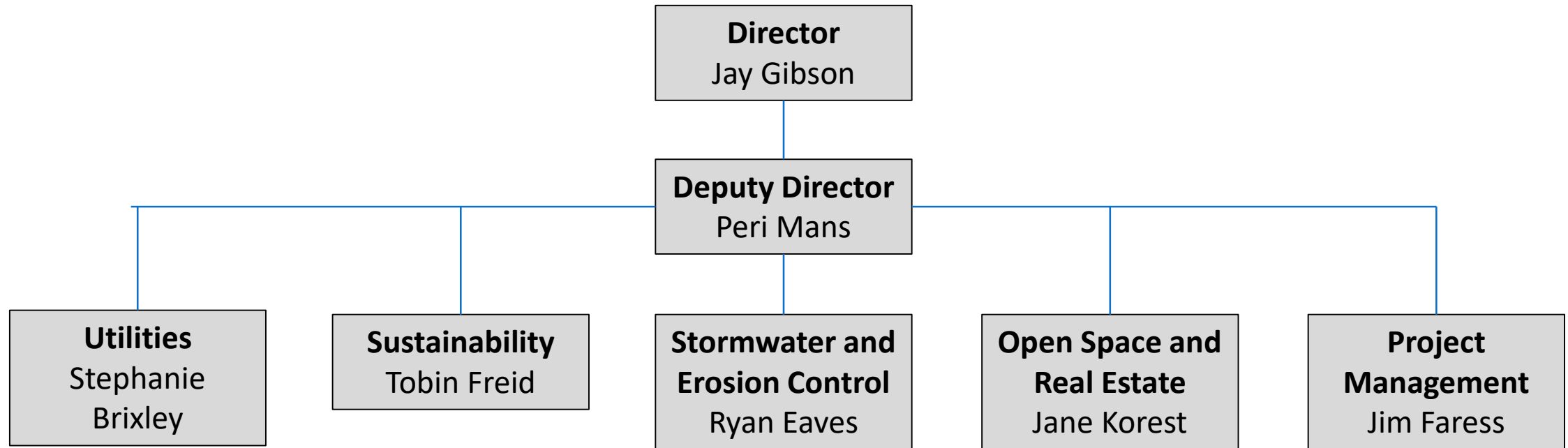
The mission of the Durham County Sustainability Office is to help protect and improve the County's and community's environmental management particularly related to greenhouse gas emissions through wise use of natural resources by providing guidance and resources to County employees, businesses, and residents.



Tobin Freid
Sustainability Manager



Engineering and Environmental Services

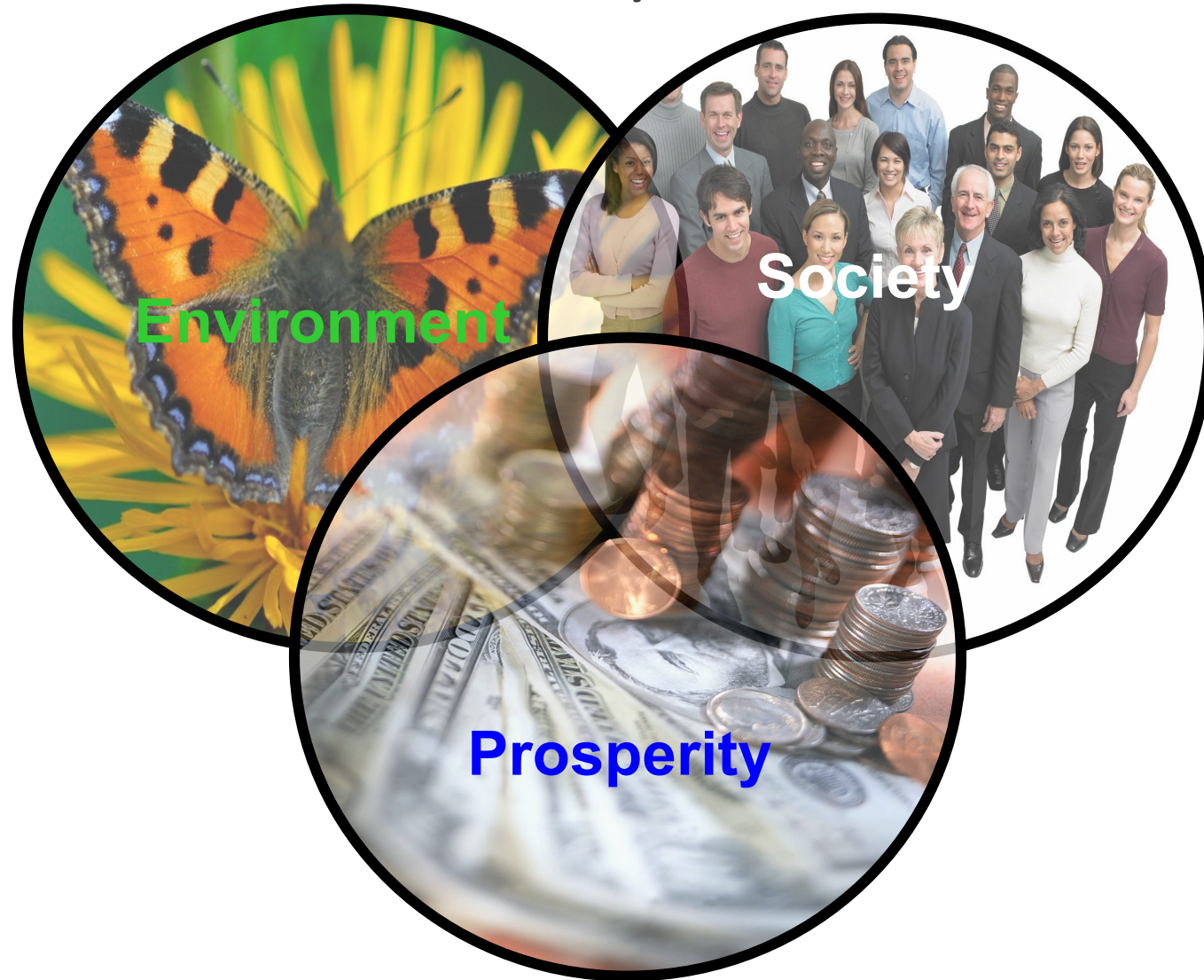


CITY OF
DURHAM



DURHAM
COUNTY

What is Sustainability?



STAR Co



Built Environment

- BE-1: Ambient Noise & Light
- BE-2: Community Water Systems
- BE-3: Compact & Complete Communities
- BE-4: Housing Affordability
- BE-5: Infill & Redevelopment
- BE-6: Public Parks
- BE-7: Transportation Choices

Minimization

Safe Communities

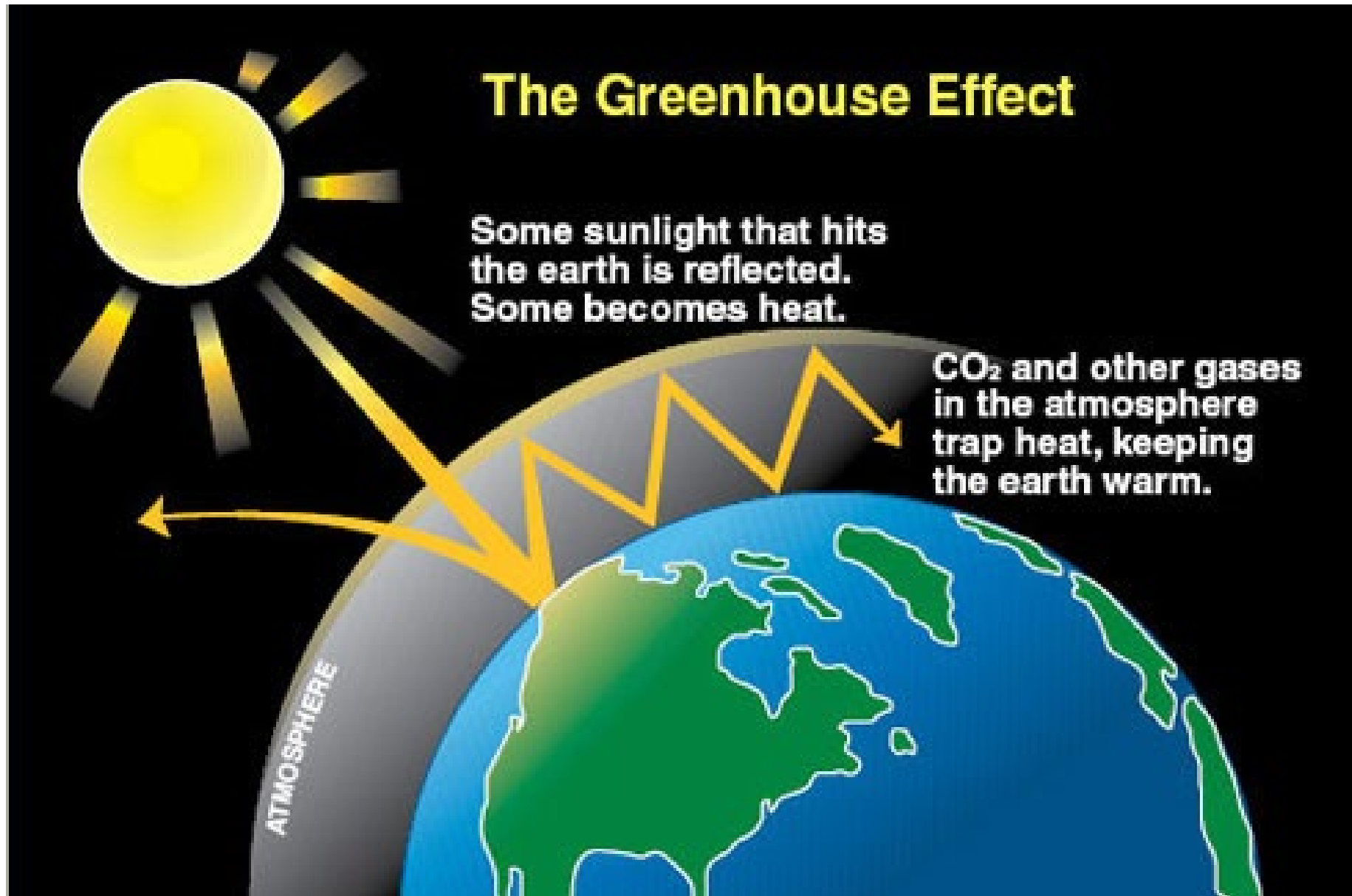
Innovation & Process

- IP-1: Best Practices & Processes
- IP-2: Exemplary Performance
- IP-3: Local Innovation
- IP-4: Good Governance

The Greenhouse Effect

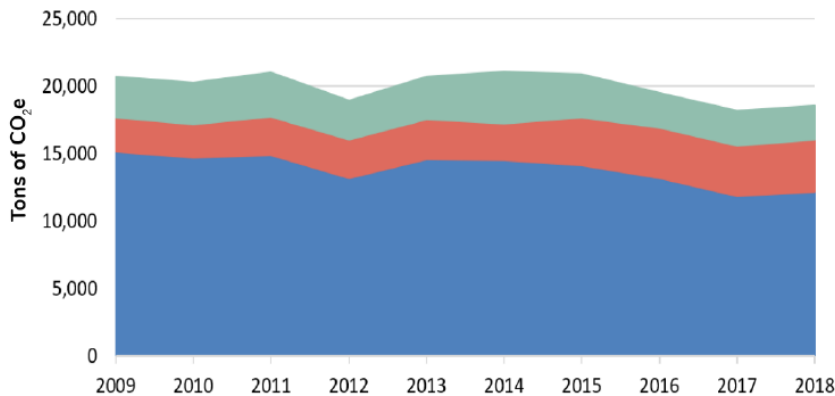
Some sunlight that hits the earth is reflected. Some becomes heat.

CO₂ and other gases in the atmosphere trap heat, keeping the earth warm.

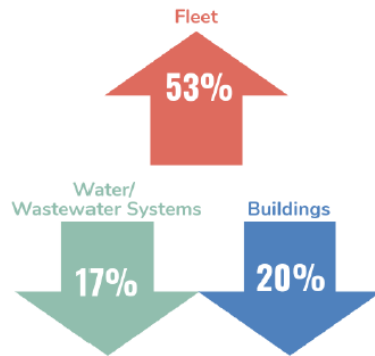


Greenhouse Gas Emissions Reductions

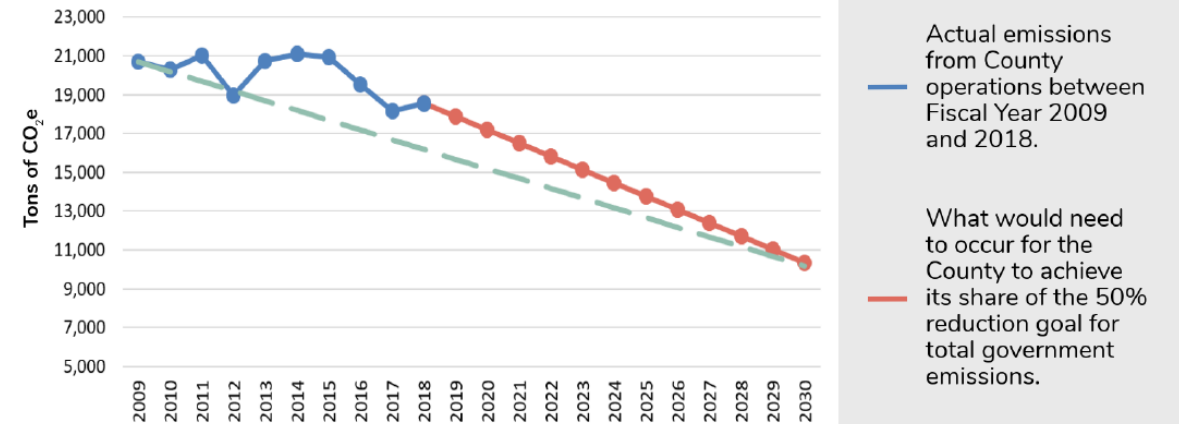
Total County GHG Emissions by Source



From 2009 to 2018



Total GHG Emissions From County Operations



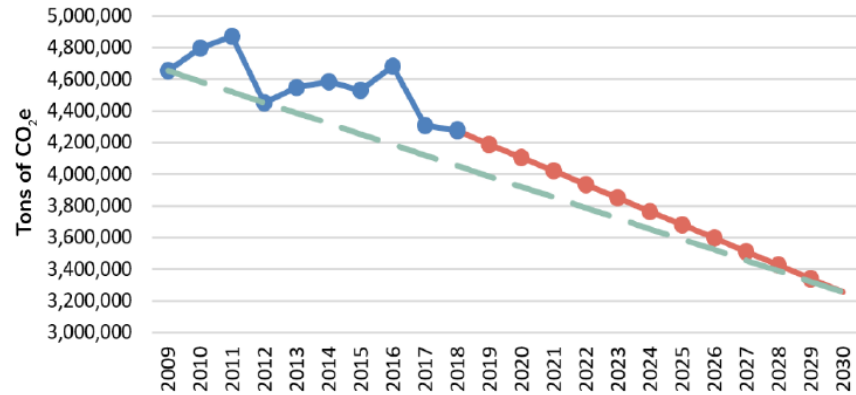
Actual emissions from County operations between Fiscal Year 2009 and 2018.

What would need to occur for the County to achieve its share of the 50% reduction goal for total government emissions.



Greenhouse Gas Emissions Reductions

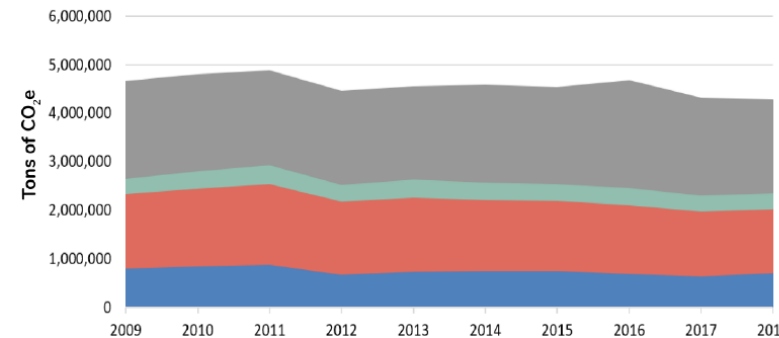
Total GHG Emissions From The Durham Community



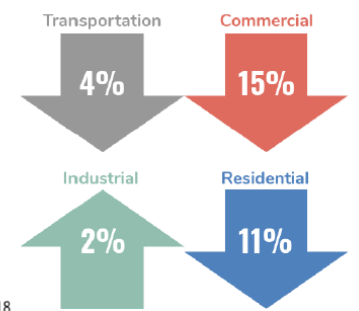
— Actual community emissions between Fiscal Year 2009 and 2018.

— What would need to occur for the community to achieve the 30% reduction goal.

Total Community GHG Emissions by Source



From 2009 to 2018



Renewable Energy

- Create a plan and work to achieve a transition to 100% clean, renewable energy by December 31, 2050 and 80% by 2030
 - Includes energy efficiency, environmental justice, affordability, equity
- Calls on the state of NC to do the same
- Calls on utilities to develop and implement a strategy to reach these goals
- Calls on the federal government to transition to 100% renewable energy by 2050

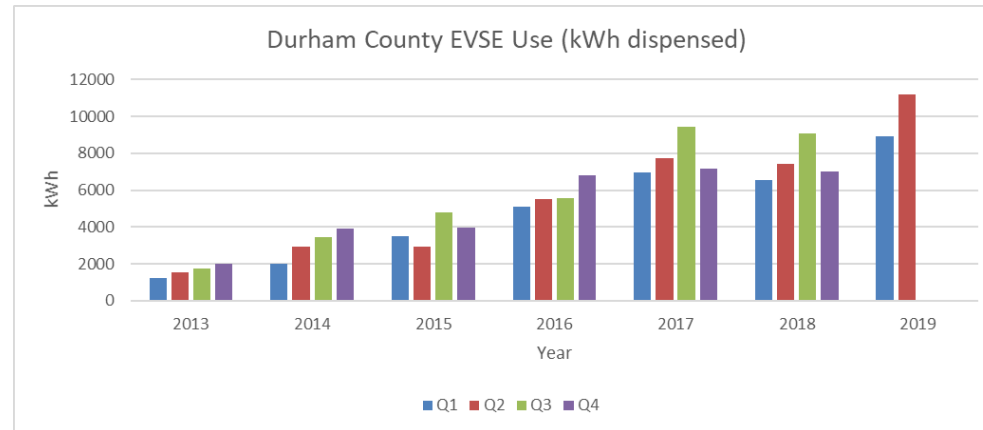
Bull City Workplace Challenge



Home About How It Works Resources FAQ Contact Sign In



Vehicle Fleet and Electric Vehicles



Sustainability Office

Frequently Asked Questions

Can't the County just put solar panels on all its buildings and then it will be 100% renewable energy and not have any greenhouse gas emissions?



Sustainability Office

Frequently Asked Questions

Why doesn't the county just adopt an ordinance like (Austen, Portland, Atlanta, etc.) to (make buildings more efficient, ban plastic bags, etc.)?



Sustainability Office

Frequently Asked Questions

What can I do to reduce my impact on the environment/climate?



Sustainability Office

Opportunities for Engagement

- Join the Bull City Workplace Challenge
- Volunteer with our partner Keep Durham Beautiful
- Participate in Engage Durham



Sustainability Office Final Thoughts



STAY CONNECTED



Durham County Sustainability Office

Tobin L. Freid

Sustainability Manager

tfreid@dconc.gov

Website: GreenerDurham.net | Facebook: [@GreenerDurham.net](https://www.facebook.com/GreenerDurham.net)

Twitter: [@GreenerDurham](https://twitter.com/GreenerDurham) | Instagram [@GreenerDurham](https://www.instagram.com/GreenerDurham)