

The Carbon Tree Bank was the vision of the Fayetteville Metropolitan Area Air Quality Stakeholders (Formerly the Cumberland County Air Quality Stakeholders).

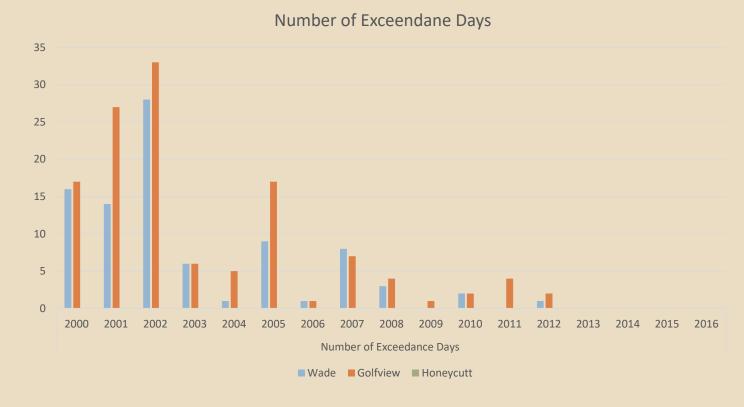
The vision was to complete projects that would have a similar impact on air quality as removing 5000 vehicles from the road.

The Carbon Tree Bank was The first of these projects.

About

Air Quality Stakeholders of Fayetteville Planning Area

- Formerly the AQ Stakeholders of Cumberland County
- Tasked with examining and implementing initiatives to reach
 Ozone Attainment.
- The region achieved attainment in 2008
- In 2012 the region joined Ozone Advanced



created when new trees are planted

Planted on Cumberland County Schools Property

Loblolly and Longleaf Pine The value is determined based on the species and age of each tree

What is a Carbon Bank?

The trees have an associated carbon emissions value or credit

3 -5 metrics tons of Carbon per Tree

Urban Offsets Market Large industry, universities, land owners, and others all invest in carbon offsets and create a thriving carbon market.



Why a Carbon Tree Bank?

- Fayetteville Cumberland County is considered NOx limited
- Vehicle emissions are the largest contributor of NOx.
- Fayetteville and Fort Bragg has an influx of commuters each day.
- Offsetting the impact of those emissions made the most sense.

Project Development

2014

Stakeholders began exploring new projects

2016

Urban Offsets and Cumberland County Schools become official partners!





Groundwork for partner ships and funding were laid.







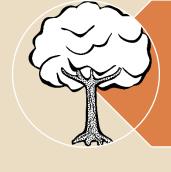






Planting Day!





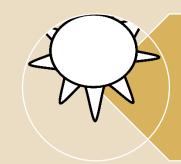
4,753

Number of loblolly and longleaf pines planted at three Cumberland County school sites in 2017!



23K Metric Tons

Amount of CO² sequestered over the life of the trees – 40 years.



Decrease

Urban heat island effect, CO² and particulate matter!



Incentives

Living-learning lab and revenue stream for schools!

Cumberland County Schools Carbon Bank



Health

Public

Additional

Benefits



- Carbon dioxide removal
- Particulate matter removal
- Shade and heat wave mitigation



Economic

- Carbon credit sale revenue
- Reduced electric consumption
- Less maintenance costs, compared to other gray mitigation strategies



Environmental

Erosion prevention Mitigating

- flood risk
- Storm water mitigation

Partner with us

Reforest the Sandhills, make a smart investment, and leave a legacy of responsibility and stewardship for future generations!

1

Become a Project Owner:

Dedicate sidewalks, parking lot corners or fields of vacant land to plant more trees. 2

Purchase Carbon Credits:

Reduce the carbon footprint of your house, your business, your lifestyle by investing in carbon credits.

3

Become a Sponsor: Tap your inner philanthropist and help others without the means to invest.

