

Greenville City Council 2021 Annual Retreat

Update on City Council Priority #2 Environmental Sustainability

February 19, 2021





Priority Area #2 - Environmental Sustainability

Environmental Sustainability - Protecting our climate, green space, and natural resources

Strategic Focus Areas:

1. Sustainability Measures
2. Stormwater Management
3. Tree Preservation Ordinance
4. Enhance Green Infrastructure

city of greenville
City Council Priorities
Strengthening Our Community

1. Quality Growth - Planning for balanced development that preserves the distinct character of Greenville

2. Environmental Sustainability - Protecting our climate, green space, and natural resources

3. Public Safety - Maintaining a safe and secure community

4. Affordable Housing - Creating housing opportunities for all people regardless of income

5. Customer Focus - Providing outstanding customer service and a welcoming, inclusive environment

6. Transportation Infrastructure - Focusing on roadways, sidewalks, trails, and bike lanes

7. Public Transit - Supporting a better public transit system

8. Public Facilities - Investing in maintenance and enhancement of public buildings

9. Economic Development - Strengthening our business environment and economy

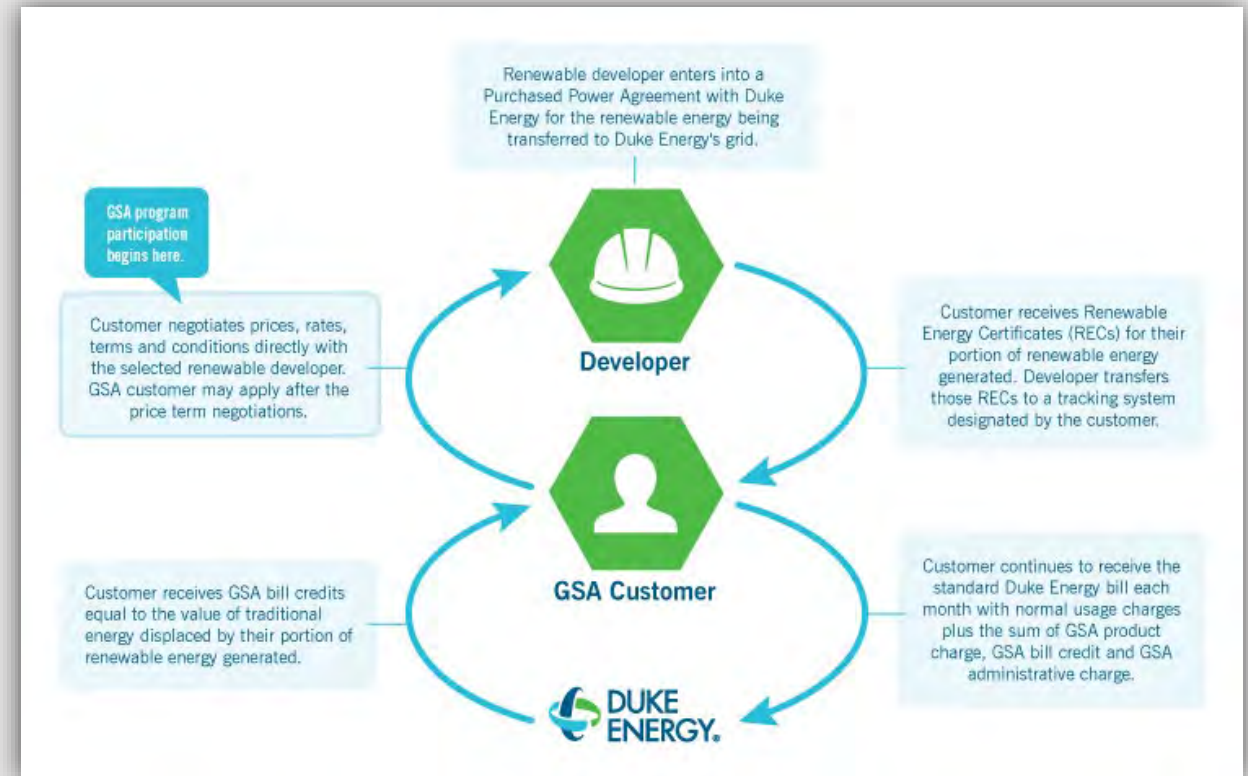
10. Recreation and Events - Providing diverse recreation, arts, and cultural experiences



Work Plan Highlights

Duke Energy Green Source Advantage Program

- City provided comments on Duke Energy Carolinas' petition before the SC Public Services Commission to make GSA program more feasible for municipal governments
- Final Order to approve GSA program issued 1/28/21
- City currently receiving bids from solar developers; bids due 3/8/21
- Anticipated application to GSA program on 3/29/21





Work Plan Highlights

Unity Park & Reedy River



- ~2,300 feet of streambank stabilization and native plantings.
- Major floodplain benching and soil lift installation
- Habitat restoration using natural materials
- Earthwork to reduce stormwater runoff and improve water quality



Work Plan Highlights

Richland Creek Water Quality

- Identified in the Richland Creek Water Quality Master Plan
- ~900 linear feet of streambank stabilization
- Removal of concrete train trestle base in middle of stream
- Stream enhancement using natural systems:
 - Soil lifts,
 - in-stream structures,
 - constructed riffles
 - invasive removal / native plantings





Work Plan Highlights

Reedy River Stabilization

- ~500 feet of stream work throughout Cleveland Park
- Floodplain benching project used to offset the fill needed to cover a 44-inch sewer main
- Native planting and invasive removal efforts are ongoing
- Stream enhancement using natural systems:
 - Soil lifts,
 - in-stream structures,
 - constructed riffles
 - floodplain interceptor outlet protection





Work Plan Highlights

McPherson Park Water Quality

- Identified in the Richland Creek Water Quality Master Plan
- Parking lot overhaul with pervious parking spaces and bioswale runoff treatment
- Stream enhancement using natural systems:
 - Soil lifts,
 - in-stream structures,
 - constructed riffles
 - invasive removal / native plantings
 - step pool inflow dissipation

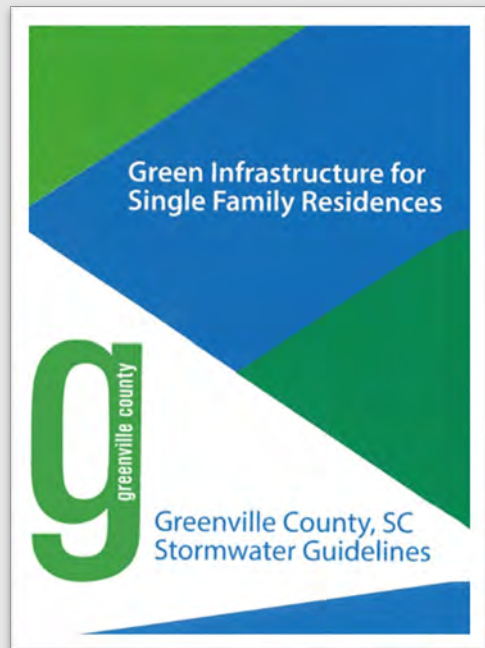




Work Plan Highlights

Infill Stormwater Guidelines

- City is finalizing revised infill requirements
- Stormwater will be mitigated for single family homes using lid methods
- County guidelines to be modified for City use

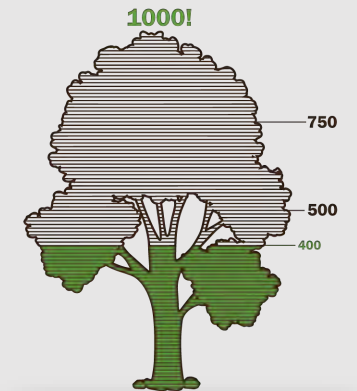




Work Plan Highlights

Preserve and Protect Tree Canopy

- Tree canopy mapping by Green Infrastructure Center and SC Forestry Commission
- Completed updates to the city's tree protection ordinance
- Included significant public outreach and stakeholder engagement
- Launched Rooted in Greenville tree planting campaign in partnership with Trees Upstate
- Goal of City planting 1,000 trees per year





Work Plan Highlights

Preserve and Protect Tree Canopy

- 2 tree giveaway events
- Have given away 400+ trees to community for free
- Community messaging and education on the importance of trees and replacing the tree canopy
- Tree planting workshop at public Work Session of City Council

#PlantGVL Drive Thru Tree Giveaway a Success!
200 saplings gone in less than two hours



Additional Updates

- Designation of Sustainability Coordinator in City Manager's Office
- City participated in ICLEI 2020 Sustainability Cohort
- Promotion of October as Energy Action Month
- Electric vehicle charging station signage and promotion through Plug-In SC Program
- Greenlink sustainability workshop 1/12/21
- Furman student project on sustainability indicators



October 02, 2020
City Observes Energy Action Month



It's October, and our annual opportunity to encourage energy savings through efficiency and conservation.... [Read on](#)





Upcoming Year

- Finalize GSA project and explore additional clean energy opportunities
- David Hellams Community Center solar project construction
 - Est. completion in May 2021
- Electric Vehicle Stakeholder Advisory Committee
- Furman Sustainability Student Fellow in Summer 2021
 - Update city emissions inventory
- Support GVL2040 Comprehensive Plan and new zoning ordinance
- Sustainability Strategic Plan to include clean energy component

