



ENVIRONMENTAL STEWARDSHIP

DRAFT QUARTERLY PROGRESS REPORT

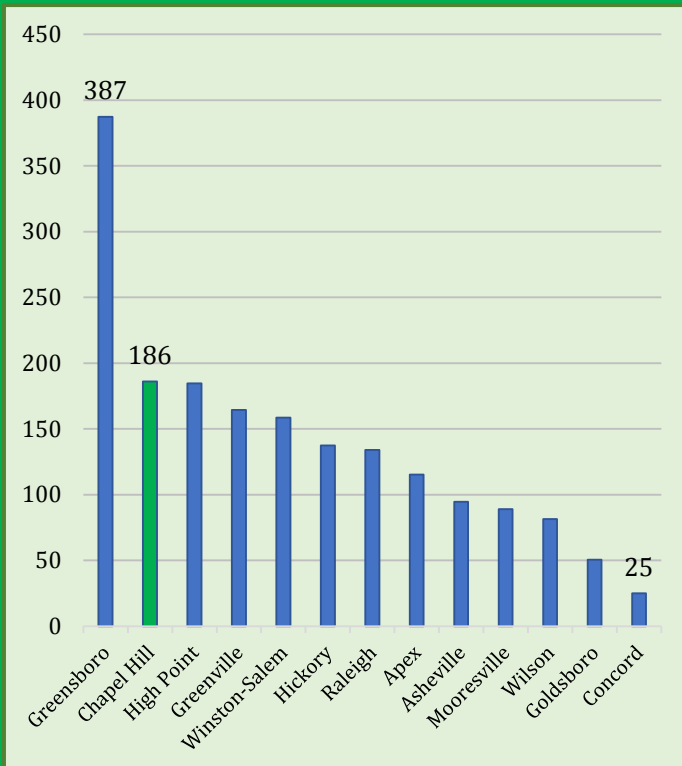
OUR GOAL

To strategically manage the Town's infrastructure and natural environment by promoting resiliency and sustainability.

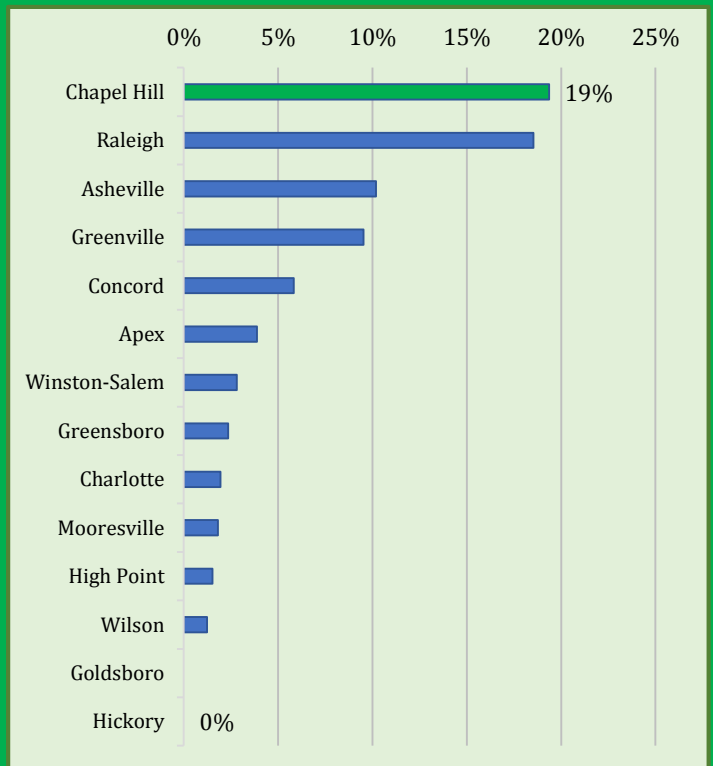
COMMUNITY INDICATORS

| | | | |
|--|---|---|---|
| <p>29% ▲</p> <p>of residents bike, walk, or use public transit to get to work</p> | <p>227 ▲</p> <p>Pounds of refuse collected per resident last year</p> | <p>65% ◀▶</p> <p>of community satisfied with availability of green space</p> | <p>37.8 ▲</p> <p>miles of greenways and roads with bike facilities</p> |
| | <p>71 ◀▶</p> <p>average habitat score for Town streams (0 - 100 scale)</p> | <p>42% ◀▶</p> <p>of community satisfied with the quality of climate change initiatives</p> | <p>47% ◀▶</p> <p>of households are within a quarter mile of a park</p> |

Park/Site Acreage per 10,000 Population
North Carolina Benchmarks



Percent of Municipal Fleet that is Hybrid and/or Electric
North Carolina Benchmarks



PERFORMANCE-TO-DATE | STRATEGIC WORK PLAN

8
projects in progress


1
project(s) not in a department
business plan

X%
of projects on track

KEY PERFORMANCE INDICATORS (KPIs)



Sustainability & Environment

| | | |
|---|----------------------|--|
| Metric Tons of Carbon Dioxide Equivalent emitted by Town Vehicles (Transit Only) <i>Target: n/a</i> | 6,392 FY18 |  - 2% change compared to FY16 |
| Metric Tons of Carbon Dioxide Equivalent emitted by Town Vehicles (excluding Transit) <i>Target: 1,432</i> | 1,433 FY18 |  Minimal change from prior year |
| % of Frontline Fleet utilizing Alternative Fuels or "Green" Technology <i>Target: 100%</i> | 85% FY18 |  + 1% from prior year |
| Water Consumption for Town Buildings <i>Target: n/a</i> | 1,433 FY18 |  - 3% change compared to prior year |
| Electricity and Gas Consumption in Town Buildings (KBtu) <i>Target: n/a</i> | 50.3M FY18 |  - 6% annual average for past 3 years from 2015 totals |
| Mowing Frequency of Parks, Facilities, and Greenways <i>Target: 7</i> | 7 FY18 |  No change from prior year |















Stormwater Management

| | | |
|--|---------------------|-------------------------|
| Percent of investigations of reported pollution initiated within 24 hours of notification <i>Target: 100%</i> | 100% FY16 | No trend data available |
| Percent of sites inspected annually <i>Target: 20%</i> | 20% FY16 | No trend data available |






Solid Waste Services




| | | |
|--|----------------------|---|
| Tons of Refuse Collected <i>Target: n/a</i> | 6,723 FY18 |  + 1% compared to prior year |
| Tons of Yard Waste Collected <i>Target: n/a</i> | 2,325 FY18 |  - 11% compared to prior year |
| Tons of Leaves Collected <i>Target: n/a</i> | 6,380 FY18 |  + 20% compared to prior year |

| STRATEGIC WORK PLAN ENVIRONMENTAL STEWARDSHIP | | | Status |
|---|---|--|---|
| 6.1 | Coal Ash Remediation | Continue to gather data, study and evaluate options for coal ash remediation and future use of the property at 828 Martin Luther King Jr. Blvd. |  |
| 6.2 | Triangle Regional Resilience Assessment | Multi-jurisdictional effort to help the community better manage and mitigate the impacts of natural forces such as climate change and natural and human-induced hazards. |  |
| 6.3 | Elliot Road Flood Storage | The top priority project in the Lower Booker Creek Subwatershed Study. |  |
| 6.4 | Eastwood Lake Subwatershed Study | Develop a subwatershed study for Eastwood Lake, the next study in the Booker Creek Watershed Planning projects. |  |
| 6.5 | Education | Outreach and education about how to decrease carbon footprint. |  |
| 6.6 | Solar Infrastructure | Reduce barriers and focus on programming and funding to increase solar infrastructure. |  |
| 6.7 | Tree Protection | Consider how to provide greater protection to trees and prevent clear-cutting of lots. Explore how to engage community in education and solutions. |  |
| 6.8 | Climate Action Plan | Develop a comprehensive roadmap that outlines the specific activities that the Town will take to reduce greenhouse gas emissions. Coordinate and connect existing groups currently working on this effort. |  |
| 6.9 | Stormwater Capital Projects | Develop a funding plan to address needed stormwater infrastructure. |  |

Status Key

-  : Current Project in a Departmental Business Plan
-  : Petition Received by Staff
-  : Future Project; not currently in Departmental Business Plan

Notes & Citations

- *Community Indicators Section.* The yellow arrows in the community indicators section indicate whether the metric has gone up or down compared to the last data reporting period.
 -  : the trend for the metric is on the rise since the last data reporting period
 -  : the trend for the metric is falling since the last data reporting period
 -  : the trend for the metric is relatively flat, neither rising or falling, or historical data is unavailable
- *Percentage of residents who bike, walk, or use public transit to get to work.* The data source for this metric is the American Community Survey, which is managed by the US Census Bureau. The Town's Mobility & Connectivity Plan, adopted by Council in 2017, established a goal to reach 35% of residents who bike, walk, or use public transit to get to work by 2025.
- *Pounds of refuse collected per resident last year.* The data source for this metric is the Town of Chapel Hill Public Works Department.
- *Number of miles of greenways and roads with bike facilities.* The data source for this metric is multiple Town departments and uses centerline miles. Bike facilities include bike lanes and buffered bike lanes. They do not include bike sharrows.
- *Average habitat score for Town streams (0 – 100 scale).* The habitat rating is based on standard NC Division of Water Resources procedures, and produces a value between 0 and 100. A higher value indicates better habitat quality.

- *Percent of community satisfied with availability of green space.* The data source for this metric is the Town's Community Survey, managed by the ETC Institute.
- *Percent of community satisfied with the quality of climate change initiatives.* The data source for this metric is the Town's Community Survey, managed by the ETC Institute.
- *Percent of households are within a quarter mile of a park.* The data source for this metric is the Town's GIS and Analytics division. This is an approximate percentage of residential addresses within .25 miles (along the pedestrian friendly network) of a public park or private recreation facility.
- *Park/Site Acreage per 10,000 Population.* The data source for this metric is the North Carolina Benchmarking Project, managed by the UNC School of Government.
- *Percent of Municipal Fleet that is Hybrid and/or Electric.* The data source for this metric is the North Carolina Benchmarking Project, managed by the UNC School of Government.
- *Electricity and Gas Consumption for Town Buildings in KBtu.* KBtu are a combined metric for fossil-fuel consumption (electricity and gas); 2017-18 had colder extremes and warmer weather during shoulder months