

STORMWATER UTILITY

3 FTEs

Stormwater Utility Manager (1 FTE)
Stormwater Specialist (1 FTE)
Stormwater Administrator (1 FTE)

PURPOSE

The Stormwater Utility's mission is to improve and enhance local ecosystems and maximize quality of life/place and resiliency in relation to rainfall and runoff.

STRATEGIC PRIORITIES & DELIVERABLES

- Neighborhoods that suffer from flooding and erosion; Incentive for businesses and households. New policy, program incentive, revenue recommendations;
- Bring retrofit playbook for consideration. New “StormwaterToolbox” focusing on nature-based stormwater solutions.
- Include 5-year action plan for above priorities. Implementation will require new revenue, e.g., a rate increase.

GOALS

- To deliver excellent service in a timely and responsive manner, ensuring effective and efficient use of financial, human, and physical resources.
- To manage a well-balanced public infrastructure.
- To serve as a community catalyst for the expansion of nature-based stormwater solutions.

SERVICES PROVIDED & ACTIVITIES

- Revenue: administer Stormwater Utility Enterprise Fund; pursue additional/other revenue streams,
- Staff support for the Stormwater Advisory Commission
- Program coordination-interdepartmental, local/community, state, federal
- Regulatory compliance and activities (Townwide permit-six management measures; Public Works facility permit)
- Stormwater Control Measure maintenance and inspections
- Stream/benthic, hydrologic, and illicit discharge monitoring
- Stormwater infrastructure asset management/condition assessment
- Supporting the community in creating resilience in the face of a changing precipitation regime due to climate change (more frequent intense storms), within certain constraints

PREVIOUS YEAR ACCOMPLISHMENTS

- Completed preliminary engineering and related work for EPA 319 grant funded project for regenerative stormwater conveyance installation.
- Completed construction for improved stormwater conveyance-High Street
- Initiated stormwater infrastructure condition assessment.
- Followed up on RainReady study; completed Residential Assessment Pilot Project.
- Pursued expanded service delivery for Stormwater Control Measure maintenance and inspection activities.
- Provided staff support to the Stormwater Advisory Commission

- Provided regulatory support for NPDES permits (Town and Public Works), stormwater related development review.
- Improved and expanded community outreach and engagement. Coordinated with other staff and community partners.
- Administered Stormwater Enterprise Fund

UPCOMING FISCAL YEAR OBJECTIVES

- Maintain all existing services.
- Review and update rate structure.
- Pursue above strategic priorities and deliverables.
- Pursue follow up from Residential Assessment Pilot Project
- Continue with infrastructure condition assessment; program Stormwater Capital Improvement Projects.
- Complete construction and associated workshops and community outreach for 319 Grant project

**NEW STORMWATER PROGRAM ANNUAL PERFORMANCE METRICS
WITH A FOCUS ON IMPROVEMENTS, COMMUNITY PARTICIPATION AND
SCMS**

	Subdivided in Tracking		
1. Improvement Projects (#)	Stormwater	Stream	Riparian
1a. Improvement (linear feet)	Stream	Stormwater Conveyance (Green)	Stormwater Conveyance (Grey)
1b. Improvement (acres)	Developed area	Impervious area	Riparian Area
2. Project participants (#)	Neighborhoods	Organizations	Individuals
3. Improvement project funds (\$)	Enterprise Fund	Federal/State	Other
4. Stormwater Control Measures (#)	Regulated SCMs	New Town SCM Retrofits	New Other SCM Retrofits

The above metrics are intended for inclusion in the annual operating budget and to provide important indicators of specific annual accomplishments and goals with a focus on active and planned improvements. The Stormwater Program tracks other performance metrics as part of regulatory permits, workflow and asset management, grants, and other program activities.

Definitions

Developed Area – An area of land that has been modified from a natural condition. Includes areas with buildings, transportation infrastructure, lawns, and other types of development. The area tracked is the area treated by an SCM.

Enterprise Fund - Carrboro’s Stormwater Enterprise Fund which funds Stormwater Program operations and projects.

Impervious Area – Land area upon which rainfall is not able to infiltrate. The area tracked is the area treated by an SCM.

Improvement Project – A funded and active project during the FY and pursued with the intention of improving stormwater management and conveyance and/or enhancing streams and/or riparian areas.

Other \$ -All other \$ from sources besides Carrboro’s Stormwater Enterprises Fund or Federal/State agencies.

Neighborhood – A single family residential area that may or may not have a Homeowners Association.

Organization - An organization besides a neighborhood/HOA (other government/agency, business, nonprofit) participating in an improvement project. Does not include organizations under contract to the Town.

Participant – An organization or resident collaborating with staff to consider, plan for or complete an improvement project. Does not include organizations under contract or providing funding to the Town.

Retrofit – A type of stormwater improvement pursued retrospectively rather than during the original development.

Riparian Area – A low lying area that defines the interface between uplands and surface waters and serves as a buffer.

Riparian Project – A project intended to enhance or restore the riparian area via creation of diffuse flow through the buffer and/or establishment of native vegetation.

Stream Project – refers to an enhancement (bank stabilization or more involved restoration) project for a jurisdictional (intermittent or perennial; federal/state regulated) or Town regulated ephemeral stream.

Stormwater Project - A project focused on better managing stormwater runoff. Note that stormwater is defined as the immediate runoff associated with upland developed areas and stormwater projects are distinct from stream, riparian, and flood mitigation projects.

Stormwater Control Measure (SCM) – A stormwater management measure as defined by NCDEQ.

Stormwater Control Measure: Regulated (SCM) – An SCM regulated by the Town as part of a land use permit.

Stormwater Conveyance - Pipes and ditches (grey); regenerative conveyances and bioswales (green)

**STORMWATER PROGRAM ANNUAL PERFORMANCE METRICS
WITH A FOCUS ON IMPROVEMENTS, COMMUNITY PARTICIPATION AND
SCMS
(FY23 | FY24)**

1. Improvement Projects (#)	Stormwater		Stream		Riparian	
	4 (a)	4 (b)	0	0	0	0
1a. Improvement (linear feet)	Stream		Stormwater Conveyance (Green)		Stormwater Conveyance (Grey)	
	0	0	800 (c)	800 (c)	350 (d)	500 (e)
1b. Improvement (acres)	Developed area		Impervious area		Riparian Area	
	18 (c)	20 (f)	4.5 (c)	5 (f)	0	0
2. Participants (#)	Neighborhoods		Organizations		Individuals	
	1 (g)	1 (g)	6 (h)	6 (h)	63 (i)	TBD
3. Improvement project funds (\$)	Enterprise Fund		Federal/State		Other	
	\$85k (j)	\$250k (k)	\$36k (l)	\$174k (m)	\$30k (n)	\$58k (o)
4. Stormwater Control Measures (#)	Regulated SCMs		New Town SCM Retrofits		New Other SCM Retrofits	
	169	180	0	1 (o)	2 (c)	2 (c)

Notes

- a. High Street improvements; 319 grant-Bolin Forest (2); Residential Assessment Pilot Project (50 properties)
- b. 319 grant (cont); 203 Project; Fire Station #1
- c. 319 grant
- d. High Street (construction)
- e. 203 Project, Fidelity Street (construction)
- f. 319 grant; Fire Station #1
- g. Bolin Forest (includes 3 HOAs) as part of 319 project
- h. 319 grant partners (Orange County; OWASA; NC Cooperative Extension; Friends of Bolin Creek; UNC EcoStudio); Haw River Assembly
- i. 13 residential properties as part of the 319 project and 50 as part of the Residential Assessment Pilot Project

- j. High St. Project
- k. 203 Project, Fire Station #1/Fidelity St. (prelim. \$ estimate; Powell Bill funding [m] for r-o-w construction)
- l. Preliminary engineering costs, 319 project
- m. Constructions costs, 319 project; Powell Bill for Fidelity St.
- n. 319 grant match-preliminary engineering (FY23); construction (FY24). From all project partners, cash and in-kind.
- o. Fire Station #1 bioretention

BUDGET SUMMARY – STORMWATER

Department	FY 2023	FY 2024
STORMWATER	Adopted	Adopted
Personnel Exp	\$348,433	\$348,433
Operating Exp	\$388,168	\$399,813
Transfers	\$345,000	\$314,500
TOTAL	\$1,081,601	\$1,062,746

PARKING ENTERPRISE

PURPOSE

The Parking Enterprise Fund was established in FY 2021 to track all parking related expenses for the growing needs of parking facilities in the Town. The Town Council has requested a parking study to consider the implementation of parking fees for various parking facilities. The Parking Enterprise Fund will be funded with a transfer from the General Fund, until such time that the Fund can generate its own revenue source.

BUDGET SUMMARY – PARKING ENTERPRISE

Department	FY 2023	FY 2024
Parking	Adopted	Adopted
Enterprise		
Personnel Exp	\$2,000	\$2,000
Operating Exp	\$141,190	\$139,000
TOTAL	\$143,190	\$141,000