

HB53 Stormwater Needs Analysis

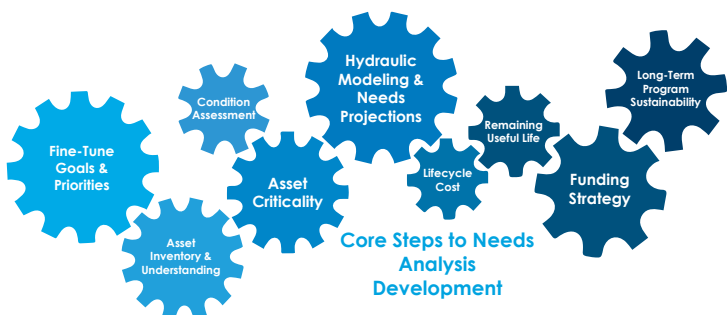


NEW STATE LAW MANDATES LONG-TERM STORMWATER INFRASTRUCTURE PLANNING

Section 403.9302, Florida Statutes, was passed in 2021 and requires each provider of stormwater (SW) management services to develop a 20-year infrastructure needs analysis that must be updated every five years.

THE CLOCK IS TICKING

This new statute places the burden of completing needs analyses on individual utilities and municipalities. Developing a needs analysis consists of multiple steps that require technical expertise, as shown in the infographic below. These key components must be completed on an accelerated timetable to meet the June 30, 2022 deadline.



WRIGHT-PIERCE'S CAPABILITIES COVER ALL ASPECTS OF NEEDS ANALYSIS REQUIREMENT

Named one of the top 25 U.S. sanitary and storm sewer design firms by Engineering News-Record, Wright-Pierce has the expertise, experience, and resources to execute the needs analysis process swiftly and thoroughly. Our team also boasts dynamic asset inventory and cost modeling tools to help streamline the five-year update process. These tools have been developed in-house and can be easily integrated into your existing technology for seamless planning efforts well into the future.

Wright-Pierce understands that there is no one-size-fits-all approach to long-term needs analyses. Wright-Pierce develops creative solutions to complex water resource challenges with the combined expertise of civil, stormwater, and water quality engineers and hydrologists as well as planning, economic, and public participation specialists. Our team has assisted several communities with their SW infrastructure planning needs. Here in Florida, we have provided efficient and expert stormwater planning and design services.

EXPERIENCE

Wright-Pierce has provided SW evaluation, planning, design, and permitting solutions for the following Florida clients:

- Citrus County
- City of Titusville
- City of Williston
- Eustis
- Haines City
- Orlando Public Works
- Polk County Utilities
- Polk Regional Water Cooperative
- St. Cloud
- Toho Water Authority
- UCF

UCF STORMWATER MANAGEMENT SYSTEM MASTER PLAN:

Wright-Pierce is updating the SW master plan to address volume and water quality of runoff on UCF's 1,200 acre campus. The project involves modeling of the existing system to identify areas that may be deficient relative to the capacity of existing conveyance and storage and evaluation of SW ponds, storm drain mains, and manhole and inlet structures. We'll also develop a SW Permit Compliance tracking system.

JOHN HENRY PARK SW IMPROVEMENTS:

Our team developed a successful grant application and designed SW upgrades, which include a new SW pond, swales, water treatment components, and storm sewer system to alleviate flooding and improve water quality at this public park in Williston.



University of Central Florida



John Henry Park

TEAM WITH WRIGHT-PIERCE

Wright-Pierce can support flexible, forward-looking needs analyses that meet SW service providers' goals, fit within financial constraints, and comply with new state regulations. Together, our team and our tools ensure comprehensive SW infrastructure management planning with an eye toward long-term system and environmental sustainability.

Contact Wright-Pierce's **Dennis Davis (407-785-5794)** or **Walt Nickel (352-870-9591)** to find out how we can assist you with compiling your initial SW needs analysis.

FAQS ON PUBLIC WORKS SW NEEDS ANALYSIS

What is Section 403.9302, Florida Statutes, for SW Management Analysis?

HB 53 is a recently passed state law that requires completion of a 20-year needs analysis for stormwater management programs and systems.

Who does it affect?

Florida counties, municipalities, or special stormwater management districts

When is the needs analysis required to be completed?

Local governments must submit their needs analyses by June 30, 2022, and every five years thereafter. Counties have until July 31, 2022, to submit compiled reports.

What is required for the report?

Part 1 – Detailed description of your stormwater management program, brief narrative, itemized program activities, and itemized operations and maintenance (O&M) activities

Part 2 – Detailed description of your stormwater management system, including miles of buried pipe, miles of open ditches, number of wet or dry ponds, number of pump stations, and quantification of similar conveyance or treatment features

Part 3 – Population projections, which are to be provided by the Florida Legislature Office of Economic & Demographic Research for counties and municipalities

Part 4 – Current and projected service area

Part 5 – Current and projected cost of providing services calculated in five-year increments, including:

- Routine O&M
- Expansions (new work, improvements, retrofits, and/or upgrades) of flood protection and water quality infrastructure, resiliency projects (sea level rise and increased flood events), and major end-of-life replacement projects
- Expenditures (indicate as funded or unfunded) for Flood Protection, Water Quality, Resiliency projects (sea level rise and increased flood events), Major end-of-life replacement projects

Part 6 – Estimated Remaining Useful Life of each facility or major system component

Part 7 – Past five-year history of contributions, expenditures, and balances of capital accounts

Part 8 – Plan to fund O&M and expansion over next 20 years

Who is excluded?

Private entities, federal government, state government, Water Management Districts, School Districts, and State Universities/colleges.