

Davie County
Public Utilities CIP Projects
FY CIP 2026-2035

#	Project	1	2	3	4	5	6	7	8	9	10	Grand Total
		2025-2026	2026-2027	2027-2028	2028-2029	2029-2030	2030-2031	2031-2032	2032-2033	2033-2034	2034-2035	
1	Water and Sewer Extensions or Replacement	\$100,000	\$200,000		\$300,000	\$300,000	\$300,000	\$400,000	\$400,000	\$400,000	\$400,000	\$2,800,000
2	SCADA System Upgrade	\$70,000	\$50,000	\$100,000	\$50,000				\$25,000	\$25,000	\$25,000	\$345,000
3	Renovate Replace PP&V	\$200,000	\$200,000	\$100,000	\$200,000	\$200,000						\$900,000
4	Greenhill Road Pump Station Rebuild		\$300,000	\$650,000								\$950,000
5	Sparks Road WTP Expansion			\$250,000		\$15,000,000						\$15,250,000
6	Demolition of Cooleemee WTP							\$1,100,000				\$1,100,000
7	Cooleemee WWTP Nutrient Removal/Upgrade					\$250,000						\$250,000
8	#1 Cooleemee Clarifier Rebuild	\$200,000										\$200,000
9	#2 Cooleemee Clarifier Rebuild				\$200,000							\$200,000
	Grand Total	\$570,000	\$750,000	\$1,100,000	\$750,000	\$15,750,000	\$300,000	\$1,500,000	\$425,000	\$425,000	\$425,000	\$21,995,000
	Sources for Funding											
	Public Utilities Fund	\$570,000	\$750,000	\$1,100,000	\$750,000	\$15,750,000	\$300,000	\$1,500,000	\$425,000	\$425,000	\$425,000	\$21,995,000

- 1- Water and Sewer Extensions or Replacement
This project is crucial for the maintenance and improvement of the water and sewer infrastructure. The replacement and extension of lines will help prevent leaks, maintain water pressure, and ensure reliable service to residents and businesses.

- 2- SCADA system Upgrades
The Supervisory Control and Data Acquisition (SCADA) system is a required critical component that enables remote monitoring and control of water and wastewater operations. Upgrading this system will improve operational efficiency, enhance real-time data collection, and streamline maintenance activities. This upgrade ensures the system remains up-to-date with the latest technology and provides better overall control and visibility of the water infrastructure.

- 3- Renovate Replace PP&V
This project focuses on the annual maintenance and replacement of aging pipes, pumps, and valves within the water system. Over time, these components can deteriorate, causing leaks, water pressure issues, and reduced system efficiency. By proactively replacing these items, the water system's overall reliability and longevity are improved, reducing the likelihood of unexpected service interruptions and costly emergency repairs.

- 4- Greenhill Road Pump Station Rebuild
The Greenhill Road Pump Station is reaching the end of its useful life and can no longer adequately support the growing water system. Rebuilding this station will provide increased capacity to accommodate the expanding system, improve overall efficiency, and ensure the reliability and resilience of water delivery to customers throughout the County.

- 5- Sparks Road WTP Expansion
The expansion of the Sparks Road Water Treatment Plant is necessary to increase its capacity from 3 MGD (million gallons per day) to 4.5 MGD, as recommended in a previous engineering report. This increase will ensure that the plant can meet the growing demand for clean water due to population growth and economic development in the region.

- 6- Demolition of Cooleemee WTP
The Cooleemee Water Treatment Plant has been replaced by a new, more efficient facility. As a result, the old plant is no longer needed and will be decommissioned and demolished. This project ensures that the old plant is safely and responsibly removed, with appropriate environmental considerations, and helps to streamline operations by consolidating water treatment efforts at the new facility.

- 7- Cooleemee WWTP Nutrient Removal/Upgrade
The Cooleemee Wastewater Treatment Plant requires an upgrade to meet future regulations on nutrients and PFAS. This upgrade will enable the plant to maintain compliance with environmental standards and provide effective wastewater treatment for the community.

- 8- #1 Cooleemee Clarifier Rebuild
The Cooleemee wastewater treatment clarifiers have exceeded their useful life and are having major mechanical issues. This rebuild is essential to ensure the continued removal of solids from the wastewater stream. Clarifiers are critical components of the wastewater treatment process, and their proper functioning is necessary to maintain the quality of treated water before it is discharged back into the environment.

- 9- #2 Cooleemee Clarifier Rebuild
The Cooleemee wastewater treatment clarifiers have exceeded their useful life and are having major mechanical issues. This rebuild is essential to ensure the continued removal of solids from the wastewater stream. Clarifiers are critical components of the wastewater treatment process, and their proper functioning is necessary to maintain the quality of treated water before it is discharged back into the environment.