



DAVIE COUNTY PUBLIC UTILITIES CAPITAL IMPROVEMENT PLAN





DAVIE COUNTY PUBLIC UTILITIES

Davie County Public Utilities is an enterprise fund, which uses no tax money for capital improvements. All improvements, operations and upgrades are paid through user fees.



PROPOSED CAPITAL PROJECTS

- Cooleemee Waste Water Treatment Plant nutrient removal.
- Eastern Davie Collection System Improvements and Pump Station pumping to CCUC (City County Utilities Commission).
- Replacement of Cooleemee Water Treatment Plant.



COOLEEMEE WWTP NUTRIENT REMOVAL

Due to upcoming regulation changes in the Yadkin River Pee Dee River Basin, upgrades will be needed to the treatment process to meet new stringent limits and new permit requirements.



PROJECTED COST COOLEEMEE NUTRIENT REMOVAL

Fiscal Year	Project Detail	Cost
2016-2017	Design	\$175,000
2017-2018	Construction	\$2,2825,000



EASTERN DAVIE SEWER

- Due to capacity restrictions, Eastern Davie sewer customers are paying two times the inside rate.
- Construction of new lift station and lines to CCUC will stabilize sewer rates and also expand capacity for Eastern Davie.
- Eastern Davie Sewer is a high-growth area for Davie County that covers 7.6% of the population.



PROJECTED COST EASTERN DAVIE SEWER

Fiscal Year	Project Detail	Cost
2015-2016	Planning	\$300,000
2016-2017	Planning, Land Acquisition, Construction	\$11,125,000
2017-2018	Completion, Start up, Final Design	\$515,000



REPLACEMENT OF COOLEEMEE WATER TREATMENT PLANT

- This plant was constructed in 1926 with expansions in 1939, 1955 and 1988.
- The 88 year-old structure is in need of major structural repair.
- With increasing state and federal water quality regulations, the plant has many components nearing or exceeding their useful life expectancy.
- With steady increase in demand, the county will need to increase capacity to meet future demand.
- Increasing capacity at the current location will be limited due to the unavailability of land needed to increase the existing treatment plant's footprint.



PROJECTED COST COOLEEMEE WATER TREATMENT PLANT

Fiscal Year	Project Detail	Cost
2019-2020	Planning, Land Acquisition	\$425,000
2020-2021	Construction, Completion	11,575,000

QUESTIONS?

