FY2020-FY2024 CIP
Today’s Outline

• Charlotte Water by the Numbers
• Why do we have a CIP
• CIP Development and Goals
• Capital Program Current
• Questions
Charlotte Water by the Numbers

- 2 Drinking Water Supply Intakes
- 2 Raw Water Reservoirs
- 3 Drinking Water Treatment Plants
- 4 Field Operations Facilities
- 7 Wastewater Treatment Plants (Owned & Operated)
- 8 Governments Served (Mecklenburg County, Town of Davidson, Town of Cornelius, Town of Huntersville, City of Charlotte, Town of Mint-Hill, Town of Matthews, Town of Pineville)
- 17 Staffed Facilities
- 81 Wastewater Lift Stations
- 958 Full-time Positions
Water System Facts

3 WTP
174 MGD Design Capacity
106 MGD Average Pumped
4 Pressure zones
17 BPS and EST/Storage
4,353 miles of Water Mains
  – 1 to 120” inch
285,087 Active Water Connections
17,315 hydrants Maintained

3/7/2019
Sanitary Sewer Facts

5 WWTPs

2 Packaged Plants

123 MGD of Wastewater Treatment Capacity

78 MGD Average Treatment

4,330 miles of sewer pipe – 1-½ to 96 inch

81 sanitary sewer pump stations

260,578 Active Wastewater Connections
Vital Component of the Community

WATER
Charlotte Water supplies, on average, more than 106 million gallons of drinking water to ~1 million people daily.

ENVIRONMENTAL PROTECTION
Sanitary sewer overflows (SSOs) have reduced by 33% in the last 5 years, but more work is needed to protect the environment by further reductions.

ECONOMIC DEVELOPMENT
All economic development in Charlotte is contingent on a reliable water and sewer system with capacity to accommodate new homes and businesses.

WASTEWATER
Charlotte Water collects and treats ~80 million gallons of wastewater each day and regulates discharges from ~60 industrial customers.

PUBLIC HEALTH
In FY19 Charlotte Water performed more than 235,000 laboratory analyses to ensure consistent, high quality drinking water.

FIRE PROTECTION
Every new customer and mile of pipe added increases maintenance, operations and workload including maintaining the more than 17,000 hydrants.
Why do we have a CIP

- 60-65 people per day
- 5.3 MGD Not yet Tributary
- National Conventions
- Big firms/ companies headquarters and Distribution Centers
CIP Goals

- Identify the right projects
- Identify long term project funding needs
- Maintain consistent annual capital funding level
- Ensure financial viability
  - Balancing the goals against supporting municipal vision plans, economic development and regulatory requirements
Who and What Influences Our Projects and Programs?

- **Main drivers:**
  - Regulatory Requirements
  - Capacity for Growth
  - Rehabilitation and Replacement
  - Commitment to Public Projects and Utility Operations

- **Collaboration:**
  - Towns of Mecklenburg County
  - City / County Departments
  - CLTWater Divisions
  - Community
FY20-24 CIP Breakdown (Proposed)

- CIP Total: $1.67B
- Capacity for Growth: $905M
- Regulatory Requirements: $233M
- Rehab & Replacement: $377M
- Commitments to Public Projects & Utility Operations: $94M
## Capital Program Current

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**Overall FY20-24 - $1.67B**
## CIP Proposed

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Stay Informed: charlottewater.org/opportunities

Upcoming RFP’s, RFQ’s, and Bid opportunities can be found at CharMeck.org or Charlottewater.org/opportunities

City of Charlotte > Charlotte Water > Projects > Contracting Opportunities

Charlotte Water Contracting Opportunities

Please note that Charlotte Water will begin using the e-Builder construction project control application in September 2018. Stay tuned for more information.

City of Charlotte and State Resources

Charlotte Water Construction and Vendor Opportunities charlottenc.gov/Water/Pages/Oppportunities.aspx
Sep 16, 2016 - How to do Business with Charlotte Water Charlotte Water awards contracts related to improvement, maintenance, and construction of the City's water and wastewater main systems, water and wastewater treatment plant upgrades and expansions, and related equipment purchases in addition to numerous ...
Community Investment Plan

Charlotte Water oversees hundreds of -- and more than $100 million worth of -- water and sewer improvement projects each year.

The Community Investment Plan is the process through which Charlotte Water is able to identify and prioritize the many projects needed within a five-year period. The program is updated each year to include projects that will be needed within the next five years. Every other year, a 10-year needs plan is completed.

- Fiscal Year 2019-2023 Community Investment Plan Map and Details

Learn More About Upcoming Community Investment Plan (CIP)

CLTWater will present the proposed Fiscal Year 2020-2024 Community Investment Plan. This plan will define our community investment budget and identify community investment projects for the five-year period beginning on July 1, 2019. We have scheduled three informational meetings at which time our draft plan will be presented and input will be solicited. The meetings will be held in the second-floor conference room of the Charlotte Water Administrative building located at 5100 Brookshire Boulevard. The meeting dates and times are:

- Tuesday February 12, 2019 10:00am – 11:00am
- Wednesday February 13, 2019 3:00pm – 4:00pm
- Friday February 15, 2019 2:00pm – 3:00pm

We invite your participation in one of these meetings. Since seating space is limited, please contact me at justin.webster@charlottenc.gov or by phone at (704) 336-3019 no later than Friday, February 8, to reserve a space. We look forward to seeing you.
Community Investment Projects
Contractors/Engineers Opportunities
Long Creek WWTP PDB RFQ (08S08)
Estimated $250M, 2\textsuperscript{nd} Quarter 2019

New 15 MGD WWTP

Subcontracting Opportunities:
- Ph 1, Design – Survey, Geotech, Environmental, etc.
- Ph 2, Construction – Hauling, grading, clearing, erosion control, seeding

Contact:
CLTWater
Nicole Bartlett 704-336-1007
Vest Water Treatment Plant (WTP) Upgrades (16W15) Estimate $30M, December 2018

Upgrade to the Vest WTP and rehab to the filters at the Franklin WTP.

Subcontracting Opportunities:
- Demolition
- Concrete
- Hauling
- Electrical
- Excavation
- Site Preparation

Contacts:
Black & Veatch Mike Osborne
704-510-8451

CLTWater
Ryan LeBlanc
704-336-1049
Installation of four 3,000 kW Tier 4F generators, removal and replacement of related systems, equipment and structures, new generator buildings.

Subcontracting Opportunities:
- Clearing
- Erosion Control
- Grading and seeding
- Hauling

Contacts:
Southeastern Consulting Engineers
Michael Dougherty 704-523-6045

CLTWater
Irene (Tesha) Okioga – Mallard WWTP
704-336-1063

Fred Hunter – Lee Dukes WTP
704-336-1042
Mallard Creek WWTP Reliability and UV Improvements (RUVI) (19S04) Estimated $20M – 4th Quarter 2019

CMAR Delivery-multiple bid packages. Replacement Filters, UV and Clarifier Mechanisms

Bid Packages:
• Site work
• Demolition

Other Opportunities:
• Concrete
• Erosion Control

Contacts:
(CMAR) Crowder
Darric Beach 919-614-2211

CLTWater
Jeff Davis 704-942-6943
Program Management Services Mallard Creek Basin and Mallard Creek Water Reclamation Facility Improvements RFQ (18S06) Advertise 1st Quarter 2019

Program Mgmt for Mallard Creek interceptor and improvements to the Mallard WWTP

Subcontracting Opportunities:
• Survey
• Sewer Cleaning and Condition Assessment including CCTV
• Flow Monitoring

Contact:
CLTWater
Irene (Tesha) Okioga
704-336-1063
Catawba Pump Station Rehabilitation (00W03)  
Estimated $4.5M, 2\textsuperscript{nd} Quarter 2019

Upgrade of existing pump station. Primarily high voltage electrical.

**Subcontracting Opportunities:**  
- Demolition  
- Erosion Control  
- Architectural Coatings  
- Window Replacements

**Contacts:**  
Southeastern Electrical Contractors Incorporated  
Mike Dougherty 704-572-8347

CLTWater  
Jeff Davis 704-942-6943
Water Transmission Main to Airport PDB RFQ (18W21) Estimated $9.6M, 1st Quarter 2019

24” water main from Tuckaseegee and Little Rock to Wilkinson Blvd

Subcontracting Opportunities:
• Ph 1, Design – Survey, Geotech, Environmental, etc.
• Ph 2, Construction – Hauling, grading, clearing, erosion control, seeding

Contacts:
Brown and Caldwell
Jay Fulmer 704-373-7119

CLT Water
Amy Vershel 704-962-7685
Upper Taggart Creek Outfall (14S02)  
Estimate $16M, 1st Quarter 2019

10,000+ LF of 36”/30”/24”/18” gravity sewer along Taggart Creek from the Billy Graham Pkwy and Morris Field Drive intersection, underneath Wilkinson Blvd, and up to Westerly Hills Park.

Subcontracting Opportunities:
• Clearing
• Erosion Control
• Hauling

Contacts:
WSP USA
Sid Riddick 704-506-7759

CLTWater
Ryan LeBlanc 704-336-1049
Beaver Dam Creek West Branch Outfall – Ph I (05S08) Estimate $2.6M, 2nd Quarter 2019

~7,000 LF of 24” sanitary sewer. Projected to bid Summer 2019. $2.6 million estimated project cost

Subcontracting Opportunities:
• Clearing
• Erosion Control
• Hauling

Contacts:
Land Design
Dale Stewart 704-333-0325

CLTWater
Chuck Bliss
FY Water/Sewer Improvements and Hidden Valley Sewer Outfall Replacement (14S02)
Estimate $4.5M, 2nd Quarter 2019

~7,000 LF of 24” sanitary sewer. Projected to estimated project cost

Subcontracting Opportunities:
- Clearing
- Erosion Control
- Hauling

Contact:
CLTWater
Matt Bedford 704-336-1009
# Design-Build Pipeline Projects

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<th>Project Name (CIP ID)</th>
<th>D/B Team (CLTWater PM)</th>
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<td>Dairy Branch Wastewater Project - Magnolia Avenue to Lilac Road (20S07)</td>
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New Office, Maintenance and Warehouse Facility

Subcontracting Opportunities:
• Electrical
• HVAC
• Plumbing
• Masonry
• Roofing
• Site Improvements
• etc.

Contact:
Rodgers Builders (CMAR)
Armondo Perez 704-634-7701

CLTWater
Tony Martin 704-336-1053
Community Investment Projects
System Expansion
QUESTIONS?