As our community continues to grow, we will need the ability to process more wastewater. The Stowe Regional Water Resource Recovery Facility (WRRF) will be a regional approach to wastewater treatment, serving western Mecklenburg County and the Belmont and Mount Holly communities in eastern Gaston County.

**Facility Benefits**

- **Processing 15 million gallons of wastewater per day**
- **Consolidating three plants into one state-of-the-art facility**
- **Operating with more energy-efficiency to reduce our carbon footprint**
- **Providing additional community resources to be decided by residents**
- **Eliminating extensive pumping system currently in operation**
The Stowe Regional Water Resource Recovery Facility (WRRF) will meet the growing needs of our community, processing 15 million gallons of wastewater per day. The service area population for the new WRRF is projected to increase by 136 percent, adding more than 100,000 people between 2014 and 2034. This facility was identified in a 2007 wastewater master plan as the most feasible and cost-efficient solution for adding wastewater capacity for the Charlotte Water system. It will operate 24 hours a day, seven days a week.

Consolidate three wastewater treatment plants into one state-of-the-art facility. Three wastewater treatment plants currently operate alongside the same section of the Catawba River – two municipal plants in Mount Holly and Belmont and a private industrial wastewater plant. These plants are all aging and will require multiple upgrades to meet the expanding needs of our communities. This new regional facility will consolidate operations, add additional capacity and treat wastewater more efficiently than any plant currently in operation. The private plant owned by Clariant will remain operational, but only at 10 percent of its original process capacity.

Be more energy efficient, reducing our carbon footprint. This facility will align with the City of Charlotte’s Strategic Energy Action Plan and City Council’s Resolution for a Sustainable and Resilient Charlotte by the year 2050.

Contribute to our community. We are committed to exploring a Community Building Project on the land outside of the Stowe Regional WRRF to serve as a resource and amenity for the neighboring communities. We will seek community input to determine what those assets should include.

Eliminate extensive pumping system currently in operation. Wastewater from the Long Creek drainage basin – from the North Lake Mall area to the U.S. National Whitewater Center – is currently pumped about 27 miles to McAlpine Creek Wastewater Management Facility in Pineville. If a new facility is not constructed, this sewer pipe system will eventually need to be replaced. A project this extensive would impact numerous residents and businesses.

The Stowe Regional WRRF is scheduled for completion in 2024. To see the final vision come to life, construction will happen in three key stages.