



A MESSAGE FROM COUNTY MANAGER: CINDY COTO

Thank you for your continued interest in the Yadkin Regional Water Supply Project (YRWSP). Union County is committed to providing our residents with a long-term, sustainable water supply and supporting future growth through the completion of the YRWSP. We invite you to learn more through this newsletter and our website at www.yadkinwater.com.

Union County continues to grow, which means wonderful things for our local economy and community. However, we must be mindful of the resources available to continue to support growth. Union County owns and operates a public water system that serves more than 48,000 customers. The majority of this water is supplied from the Catawba River. The continued growth in the region, specifically within the Yadkin River Basin (the eastern portion of our county), is expected to strain our already limited water resources.



Cindy Coto
County Manager

The YRWSP is critical for Union County. We are working hard to keep this project moving forward to ensure our residents have access to a reliable water supply now and in the future.

Thank you for taking the time to learn more about the YRWSP. Within this newsletter you will find project information and updates. Additional information can be found on our website at www.yadkinwater.com. Thank you for being a valued partner in this project!

HISTORY OF THE PROJECT

The concept for the Yadkin Regional Water Supply Project (YRWSP) began in 2004. Since then, numerous studies have been completed to determine the direction of this project and ultimately, the future of the region. Learn more by visiting www.yadkinwater.com/history.

PROJECT TIMELINE

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| Rocky River Water Supply feasibility study completed. | Water Supply Master Plan Draft | Eastern Water Supply Preliminary Engineering Report | Eastern Water Supply Feasibility Study, Project Partner Assessment and Comprehensive Water and Sewer Master Plan | Interlocal Intake and Transmittal Agreement (Norwood-Union County) signed | Environmental Impact Statement and Interbasin Transfer process completed |

2017 MILESTONES

In the past year, the YRWSP has made significant progress towards securing a long-term, sustainable water supply for Union County. The project will reduce our dependence on the Catawba River and support economic growth within Union County and neighboring regions.



Program manager engaged to guide project towards completion.



The property for the Water Treatment Plant was identified and negotiations to acquire the property were initiated.



The North Carolina Environmental Management Commission awarded Union County an Interbasin Transfer Certificate to transfer 23 MGD from the Yadkin River IBT Basin to the Rocky River IBT Basin.



The preliminary route for the raw water and finished water pipeline was identified.

The preliminary route represents a desktop planning route for further analysis.



The YRWSP was separated into two projects: the intake facility and raw water pipeline and the water treatment plant and finished water pipeline. Union County selected the progressive design-build method to deliver the projects.



Three public meetings were held in the fall of 2017 to discuss project progress.

Design-build can allow for infrastructure projects to be streamlined and built more quickly.



A draft Lake Use Conveyance Permit Application was submitted to Duke Energy. This permit will allow for construction of facilities that are in the lake or on the shoreline.



The property for the water intake and pump site was identified and acquired.



Request for Qualifications (RFQ) was drafted to prepare for the selection of a Design-Build engineering firm(s) in 2018.



Pump station concepts were completed, including architectural renderings of the site.

WHAT'S AHEAD IN 2018

In 2018, the YRWSP will reach further clarity on details related to the schedule and project costs. In February 2018, a Request for Qualifications (RFQ) was issued seeking a Design-Build Engineering firm for the two components of the YRWSP, the raw water intake and pipeline; and the water treatment plant and finished water pipeline. It is expected that the selections of the design build teams for these two projects will be completed in May 2018.

The Design-Build teams will undertake further studies and analyses to refine the pipeline routes and will begin to engineer the project.

30%

The design plans are expected to **reach 30% by the end of 2018**, which will allow for an initial review of project costs.

WHAT ARE WE BUILDING?

The Yadkin Regional Water Supply Project has many different infrastructure components that will work together to provide safe, reliable, clean water to Norwood County and Union County.

INTAKE & PUMP STATION FACILITY CONCEPT

The facility and site have been designed to fit within the residential lakeside neighborhood. The intake facility will house mechanical and electrical equipment to pump water from Lake Tillery in Norwood to the water treatment plant.

The facility is planned to house up to eight total vertical turbine pumps for Norwood and Union County.



South Elevation



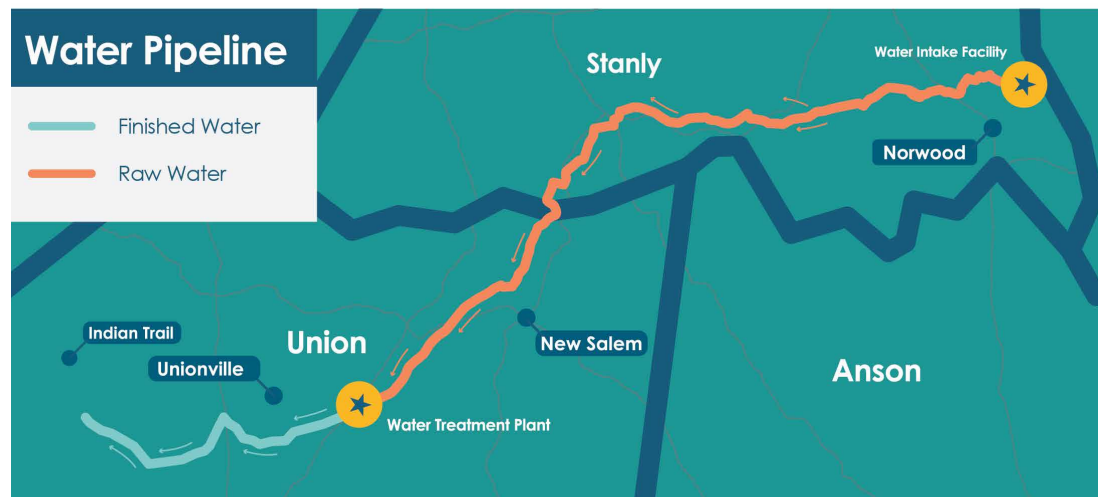
North Elevation

RAW WATER PIPELINE

The raw water pipeline will transport water from the intake and pump station on Lake Tillery to the water treatment plant east of Unionville.

WATER TREATMENT PLANT

The water treatment plant will treat the raw water to prepare it for public consumption.



FINISHED WATER PIPELINE

The finished water pipeline will connect the water treatment plant to the existing Union County water distribution pipe network and will transport clean or 'finished' water to the network.

The Union County water distribution network is the existing network of pipes that currently serve water to Union County water customers.



NOTE FROM NORWOOD

The Town of Norwood will see two major benefits from the completion of this project. First, we'll replace our aging water intake infrastructure and pumps. Our current system is over 50 years old and is at an age where it needs replacing. Second, the Town of Norwood will receive a regular revenue stream as a part of this agreement.



John Mullis
Town Administrator
Town of Norwood

The benefits of this project are region wide.

Union County residents will see the benefit of a long term, sustainable water supply. Right now they are primarily depending on the Catawba River for their water. Diversifying the water supply will increase stability and allow for long term economic development in the Yadkin River Basin area. Development in the area is good for the entire region.

UNION COUNTY BENEFITS

Long-term,
sustainable
water supply

Reliable, dependable
water source for
future development

THE TOWN OF NORWOOD BENEFITS

New water intake
and pump station
infrastructure

Ongoing
revenue
stream

COMMUNITY EDUCATION

Would your local group or organization like to learn more about the YRWSP? Contact us to schedule a member of the project team to attend your meeting and provide project details, updates and answer questions. Submit your request for a speaker at **info@yadkinwater.com**. We are committed to partnering with the community and look forward to attending your next meeting!



www.yadkinwater.com



info@yadkinwater.com