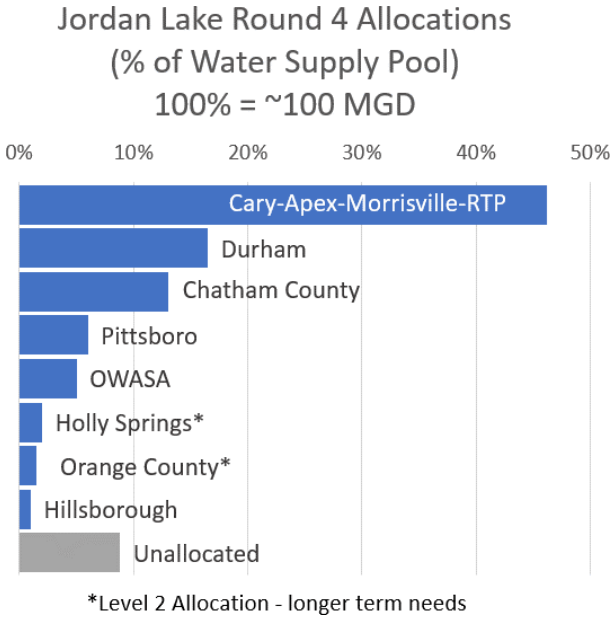
Triangle Water Partnership

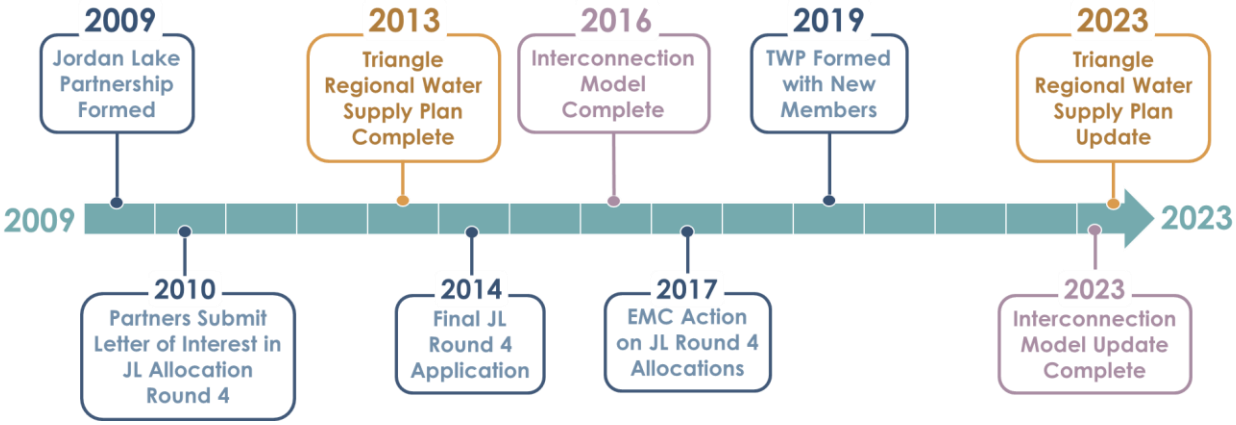
TRIANGLE WATER PARTNERSHIP HISTORY

The Triangle Water Supply Partnership (TWP) was formed in 2018 by 13 jurisdictions and water systems in the Triangle, wishing to continue and strengthen the valuable water supply planning work and collaborative efforts initiated by the Jordan Lake Partnership (JLP). Signature projects of the JLP include an award-winning Regional Water Supply Plan as well as an Interconnection Model. The timeline for these projects is shown below.

- The **Triangle Regional Water Supply Plan** (completed in 2014) included peer- reviewed demand projections through 2060 to develop proposed Jordan Lake water supply allocation requests. The analysis confirmed the requested allocations would not harm downstream water users, even in the event of droughts as severe as any recorded during the past 80+ years. The plan also outlined recommended paths forward for additional supply opportunities.



- Simultaneously, the **Interconnection Model** was also developed which identified existing and proposed interconnections between systems and modeled capacities and demands. The purpose of the study was to identify supply alternatives and responses to outages or water shortages. It was the first time regional water system information had been compiled and mapped to the hydraulic model level of detail.



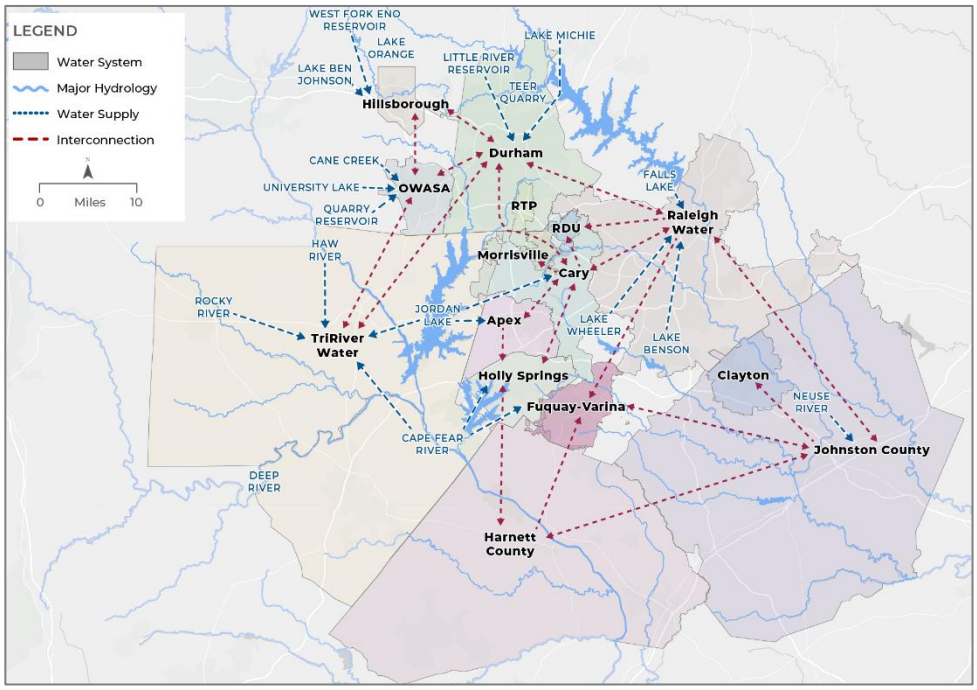
Look online to learn more!
www.trianglewaterpartnership.org

Triangle Water Partnership

TRIANGLE WATER PARTNERSHIP TODAY

After the Jordan Lake Round 4 allocations were awarded, JLP redefined itself as the Triangle Water Supply Partnership, adding new members, Johnston County and Harnett County. The Partnership later expanded further to include TriRiver Water (Sanford), along with the Towns of Fuquay Varina and Clayton, further strengthening regional collaboration and supply planning. The new partnership intends to improve upon the previous work of the JLP and has identified the following projects as key opportunities:

Distribution Model Infrastructure Update: This project began with an update to the interconnection model to include major changes in infrastructure as well as new partners and interconnections. The model is used to further understand the capabilities and limits of the Triangle Region's present water supply network. This effort supports regional reliability, resiliency, and redundancy.



Emergency Response and Mitigation Plan Coordination: TWP is developing an appreciation for how each supplier's emergency responses rely on coordination with partners in the region, and the importance of establishing a framework for that coordination and pre-planning.

Triangle Regional Water Supply Plan: This plan is currently being updated to reflect expanded membership, including TriRiver Water Partners, and incorporates revised demand projections through 2070, probabilistic analysis, and evaluation of future water supply alternatives.

Interconnections Model Maintenance: The Interconnections Model will be updated approximately every five years. The Regional Water Shortage and Response Planning Project will effectively update JLP's Interconnections Model.

Look online to learn more!
www.trianglewaterpartnership.org