

# Wake County One Water Plan

Planning Board Meeting

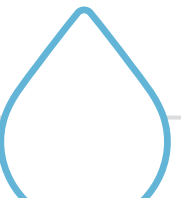
January 4, 2023



# One Water Plan

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Develop a comprehensive One Water Plan that is equitable, supports growth and preserves natural resources while building on existing stakeholder strengths and initiatives.

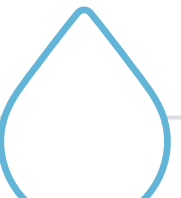


# One Water Plan

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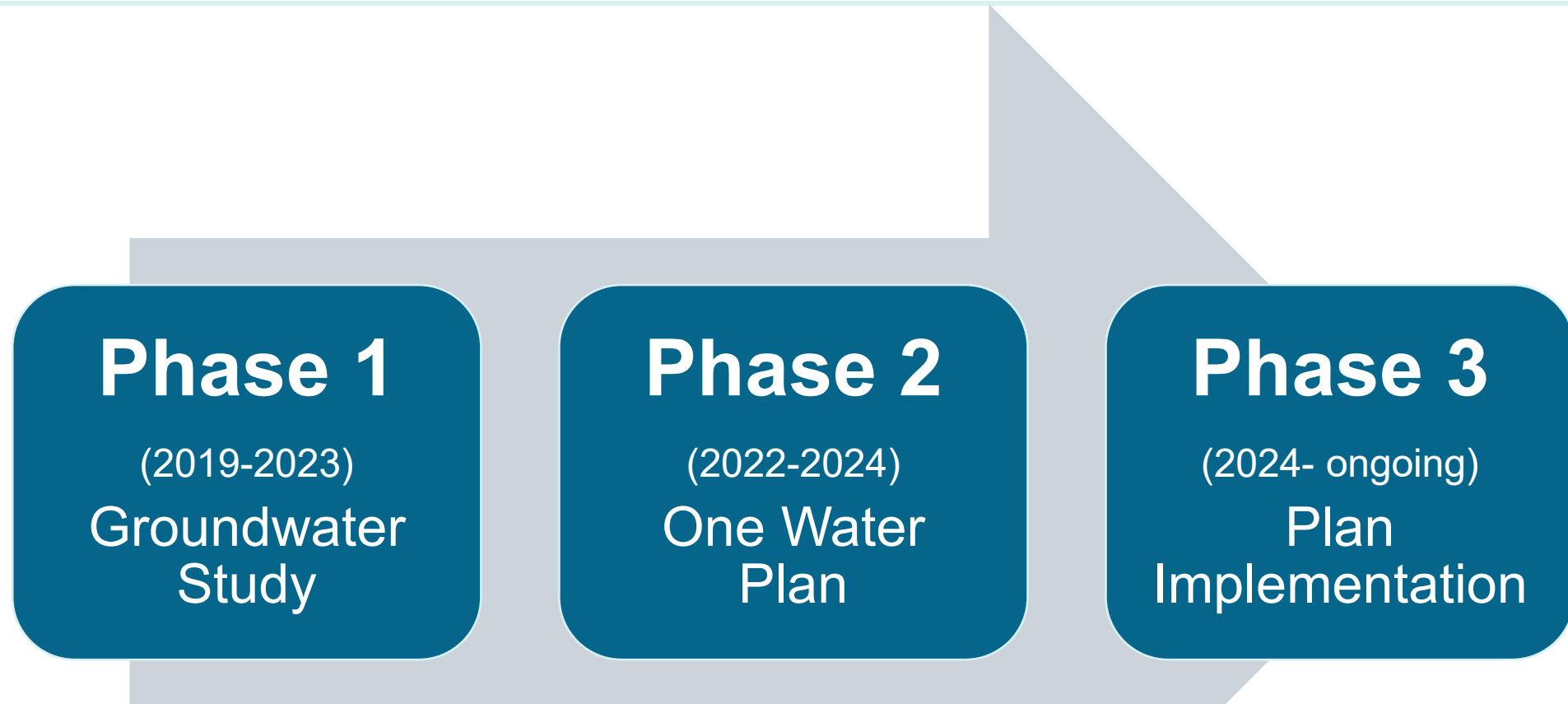


- ❖ 50-year water supply plan
- ❖ Integrates water planning with development and transportation planning
- ❖ Supports all aspects of growing population while preserving limited natural resources



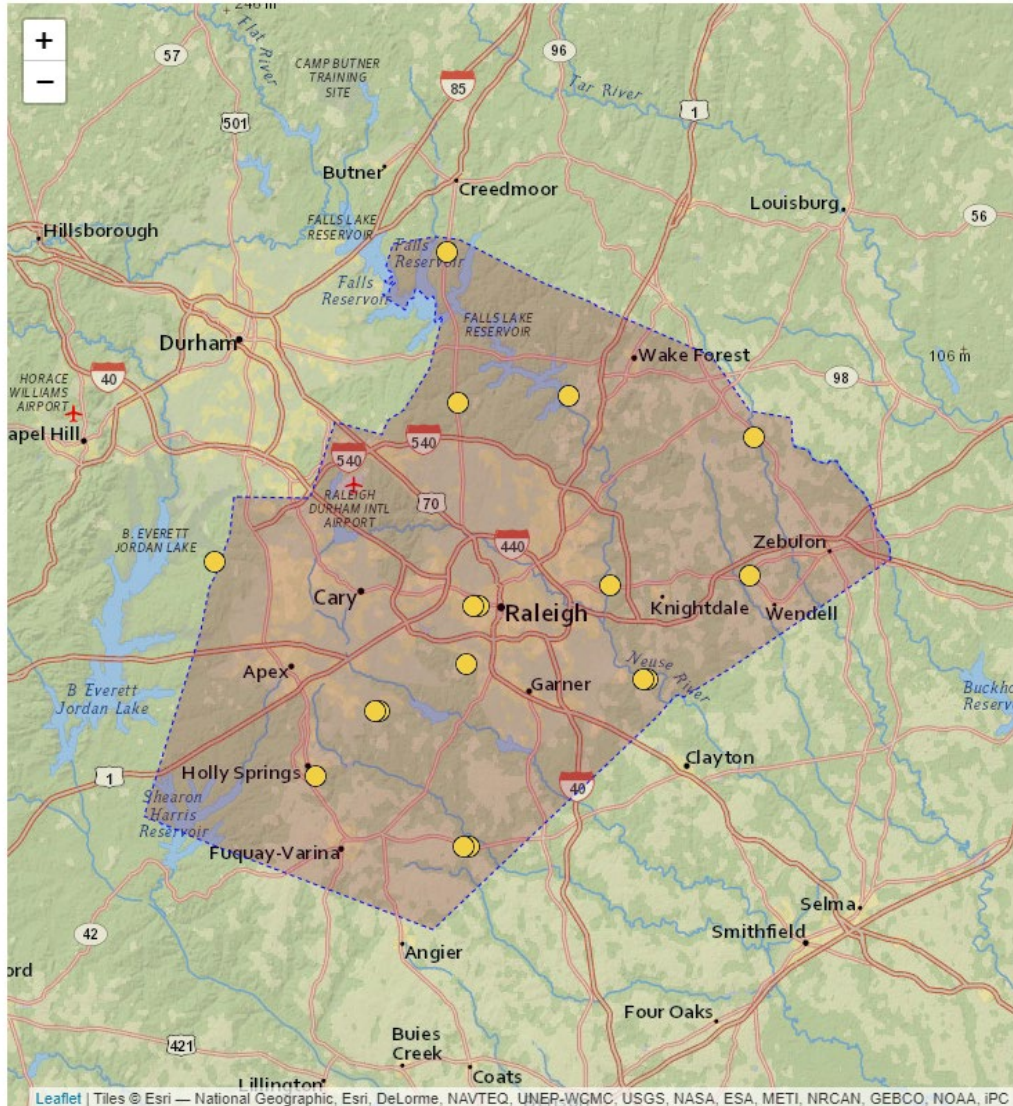
# One Water Plan

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# Phase 1 - Comprehensive Groundwater Study

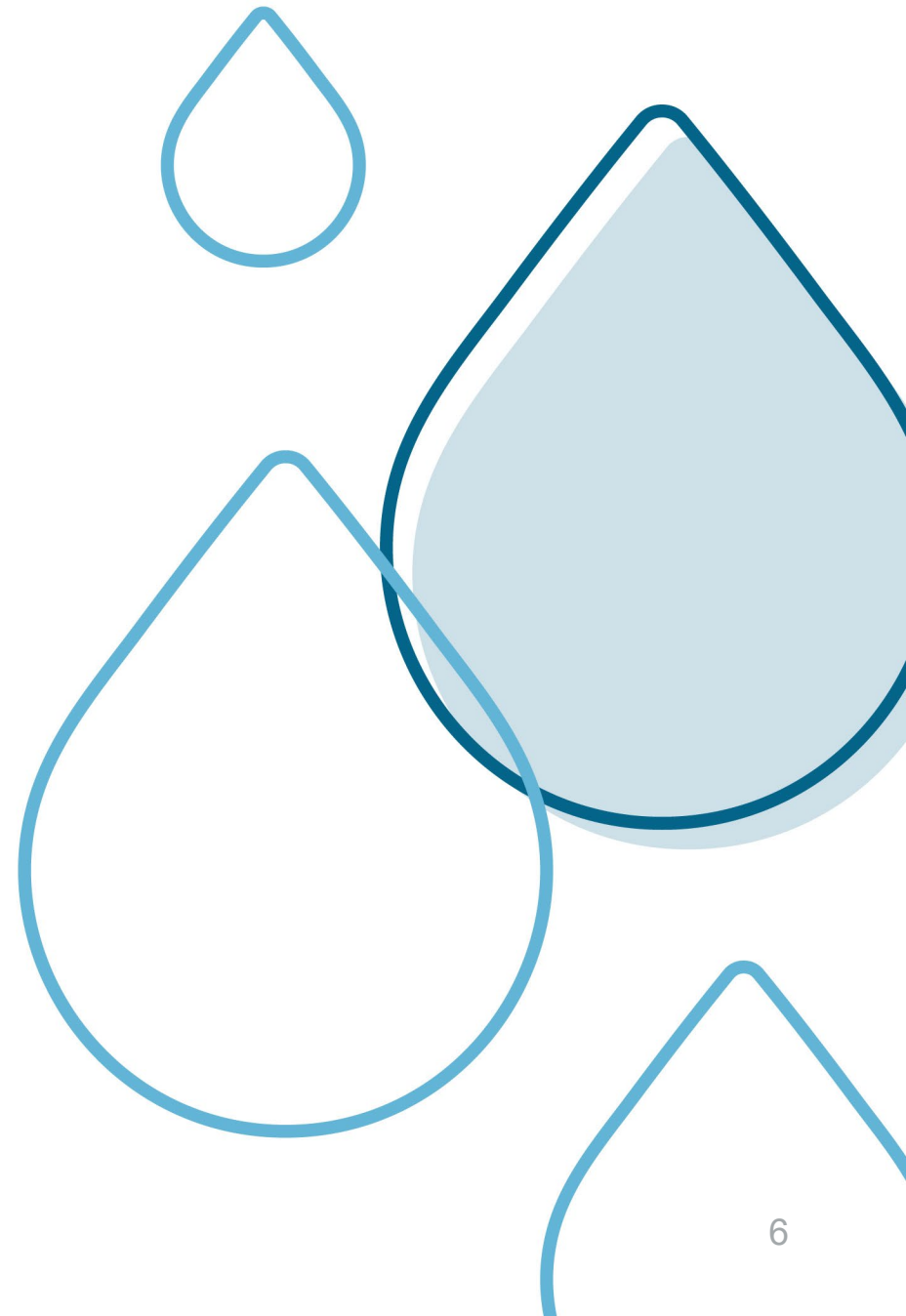


<https://www2.usgs.gov/water/southatlantic/nc/projects/wake-county-groundwater/study.php>



# **Phase 2**

## **One Water Plan**



# PLANWake Foundation

PLANWake vision for a strong triple-bottom line:

- Inclusive and Equitable
- Healthy and Active
- Sustainable and Vibrant



# Plan Alignment



\* U.S. Water Alliance, 2016



# Core Goals

Recognize all water has value

Seek water solutions with economic, environmental, and social co-benefits

Advance regional collaboration

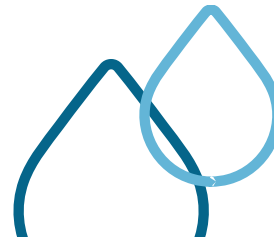
Support equitable access to clean and abundant water





# Challenges and Opportunities

- Population Growth
- Climate Change
- Affordable Housing
- Food Scarcity/Security
- Transportation
- Equity





# Task 1-Visioning

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Visioning Summit

Local Industry/Partner  
Meetings

Community Survey



# Task 2-Assessment

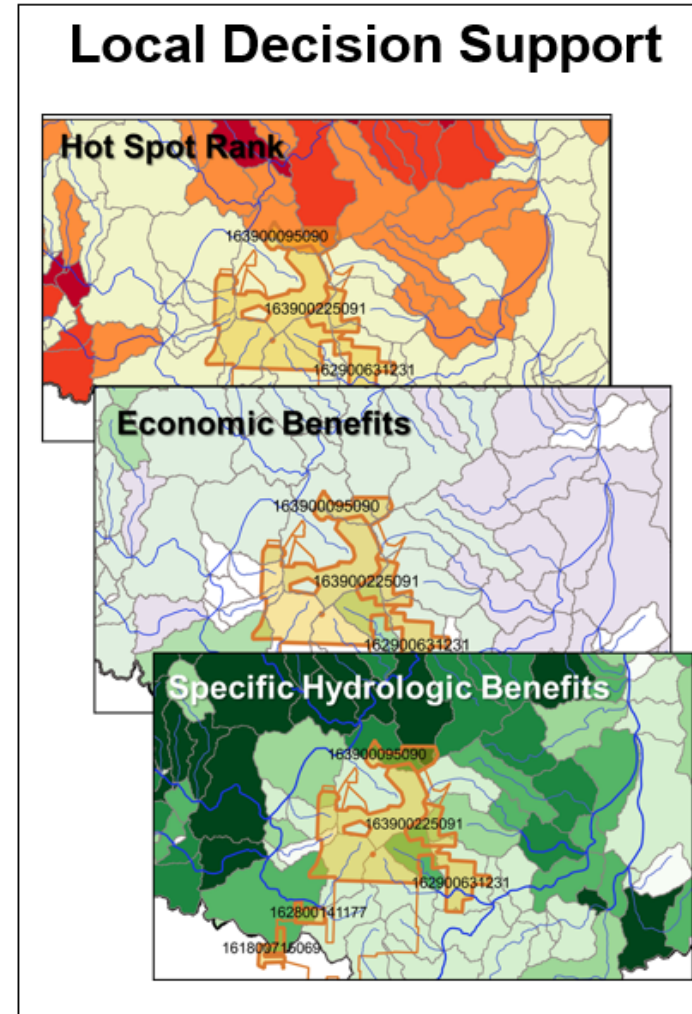
Stormwater analysis

Groundwater evaluation

Climate and Land Use Analysis

Project prioritization

Regulatory impact



Courtesy of Michele Edy, RTI



# One Water Strategies

Multifunctional

Decentralized

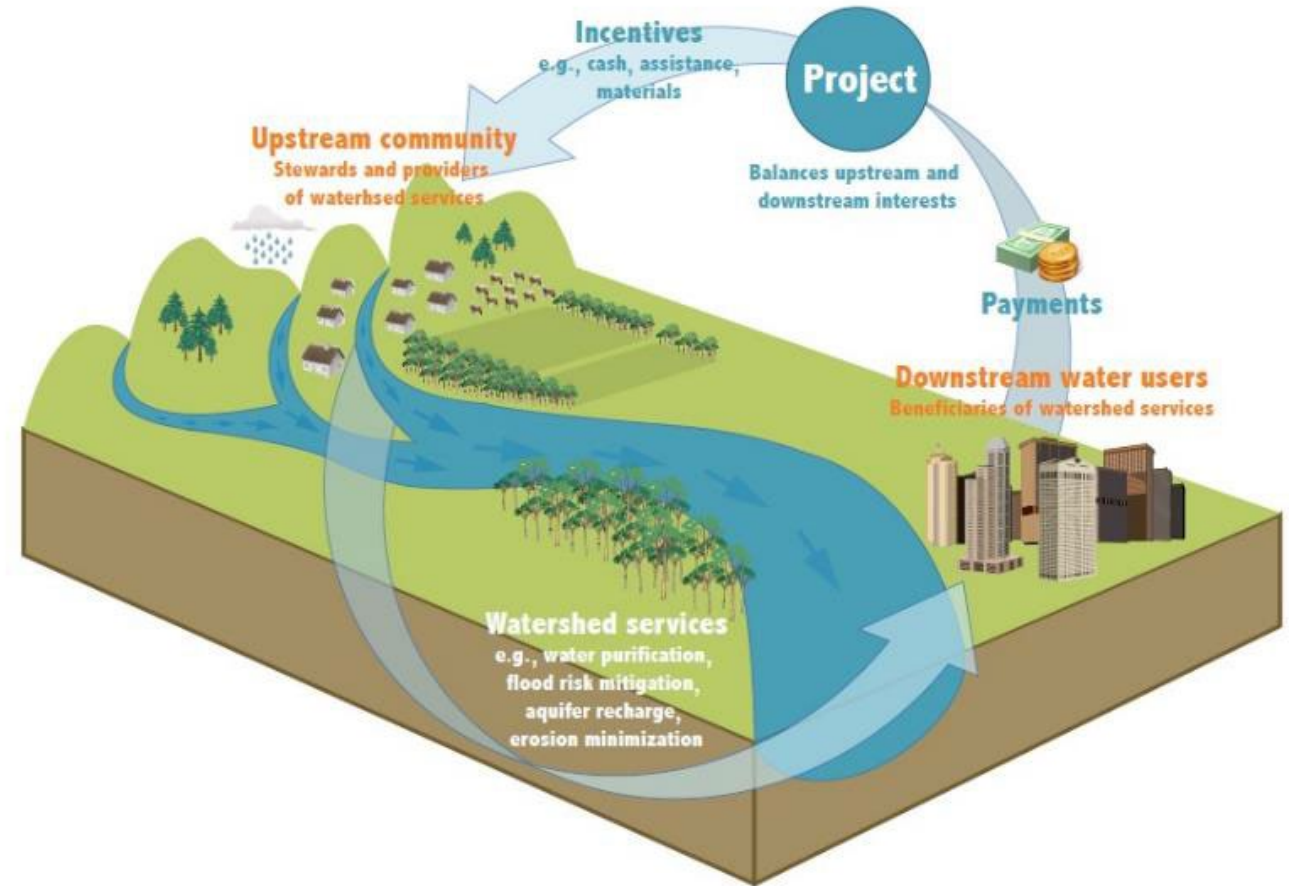
Integrated

Systemic

Restorative

Performance-based/Adaptive

Connected



# What does it look like?

## Increased Resilience

- Green Stormwater Infrastructure
- Nature-based solutions
- Flood mitigation measures
- Food security emphasis

## Protecting Resources

- Open space protection & conservation
- Regional watershed management
- Tree planting
- Working lands-holistic management

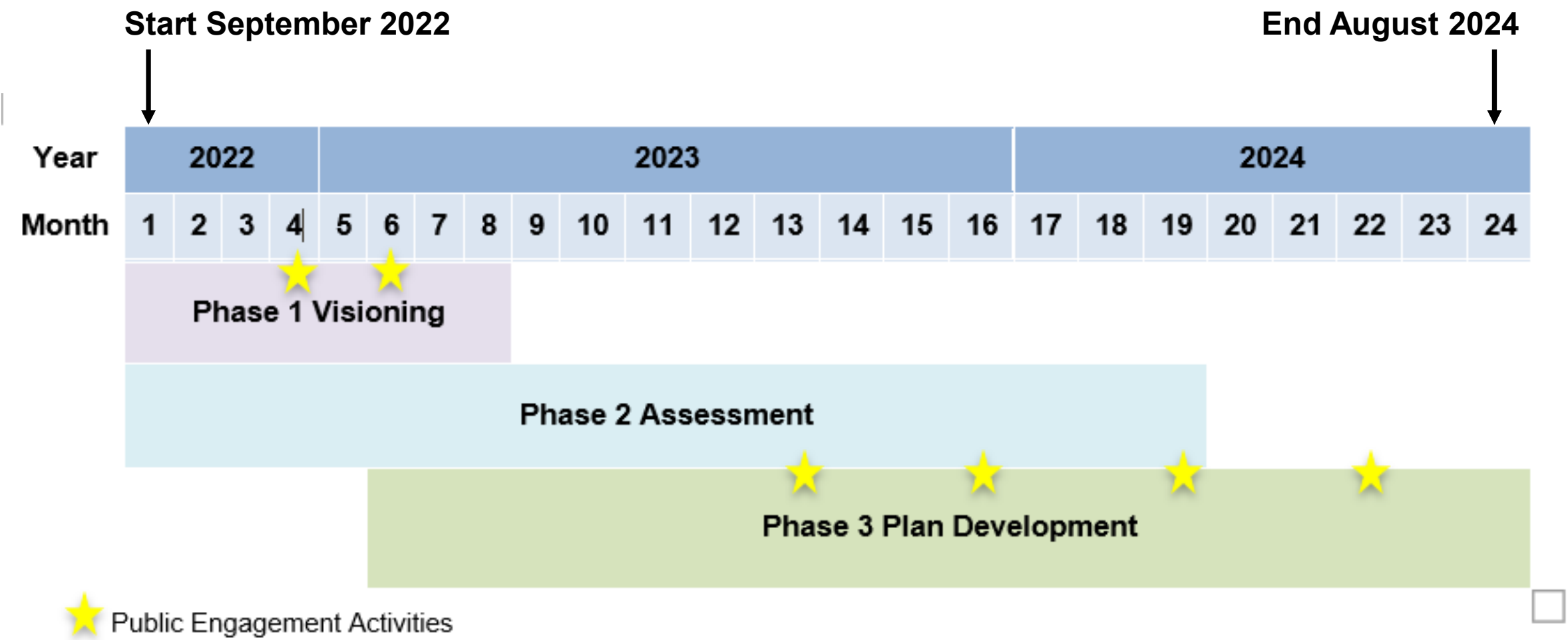
## Water Supply & Management

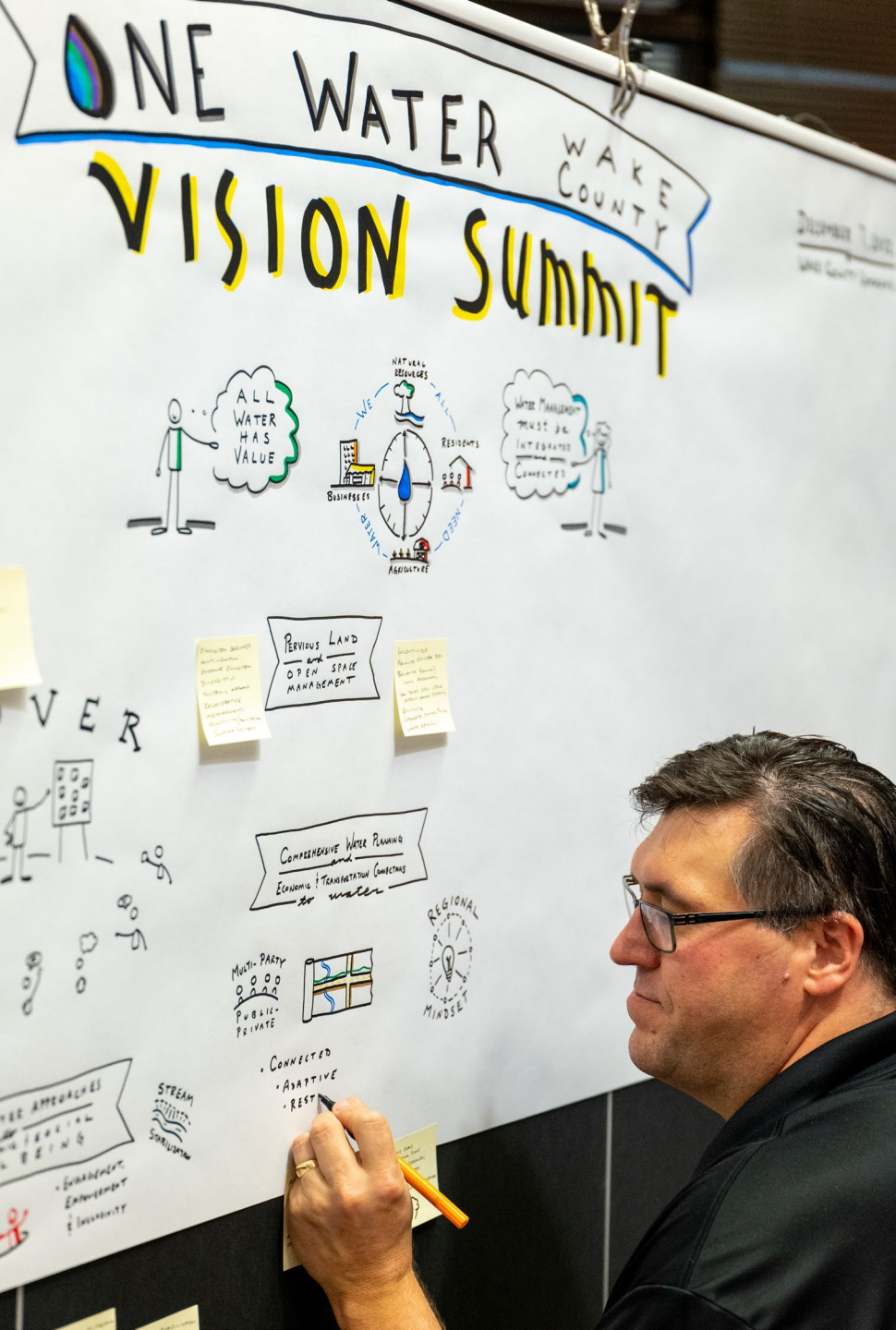
- Water recovery and reuse
- Regional stormwater management
- Increase groundwater recharge

## Improved Planning & Design

- Regional master planning
- Integration of water, economic & transportation planning
- One Water incentives for development

# Timeline





# Progress to Date

Visioning Summit

Program Interviews

Water Supply Evaluation

One Water Project [Video](#)



# Next Steps

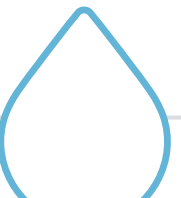
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Identify Primary Water  
Issues/Opportunities

Local Industry/Partner  
Meetings

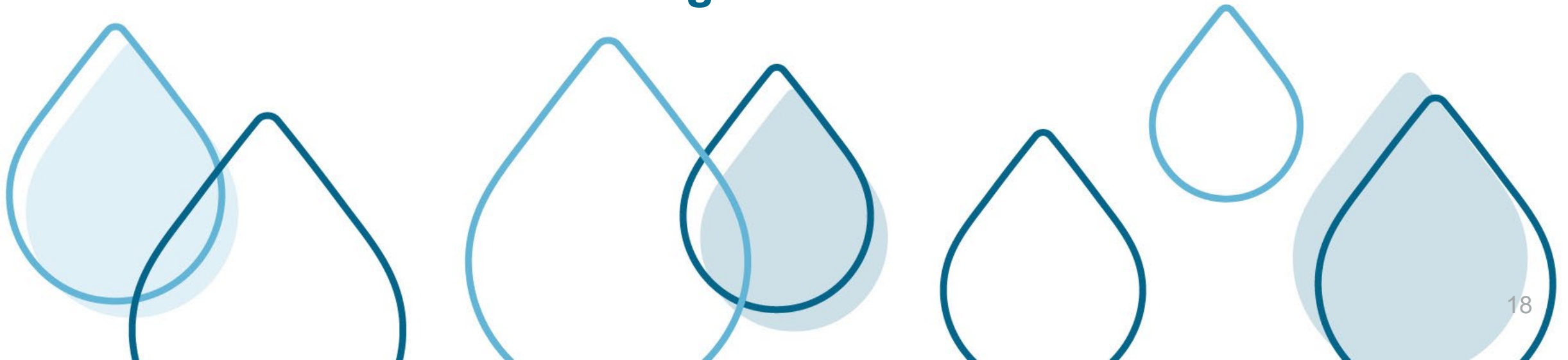
Public Survey

One Water Vision and Goals  
Document



# Questions?

**Contact: [Nancy.Daly@wakegov.com](mailto:Nancy.Daly@wakegov.com)  
[wakegov/onewater](http://wakegov/onewater)**



# GoWake SmartRide NE

Wake County Planning Board Meeting January 4th, 2023



# Presentation Overview

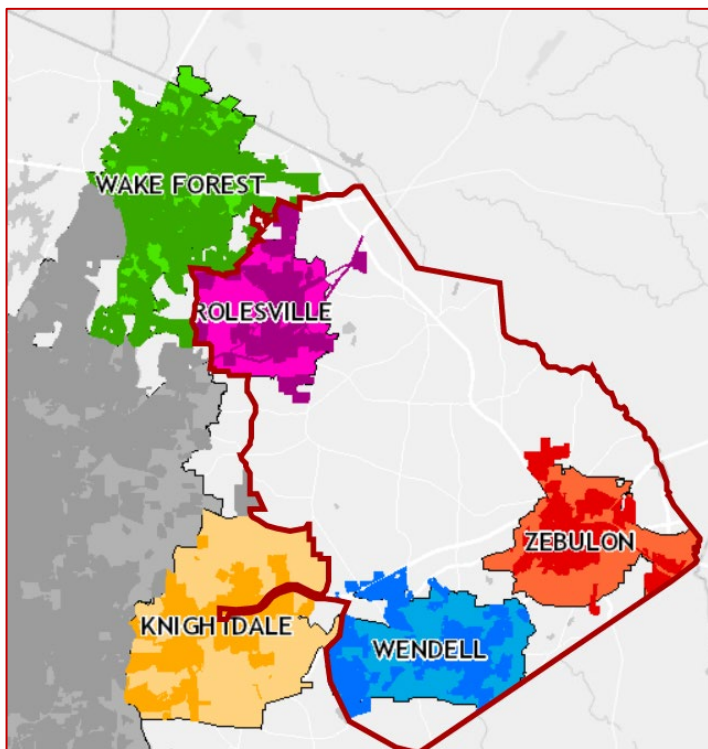
- Project Overview
- Review of Existing Data
  - ▶ Unincorporated Wake County
- Service Evaluation
- Project Costs
- Continued Funding
- Questions/Open Discussion



# Project Overview

- Wake County awarded an FTA Integrated Mobility Innovation (IMI) grant
- Improve access to jobs, school, healthcare, and other services for northeast county residents
- Objective is to launch microtransit services that provide first 5-mile, last 5-mile for rural residents

# Why Northeast Wake County?



The demographics of residents in the SmartRide NE microtransit zone are as follows:

- Total 2020 Census Population: 50,000+
  - Unincorporated Population: 24,000+
- Minority population: 23,000+ (45%)
- Senior population estimate: 7,400 (65+)
- Youth estimate: 12,000+ (under 18)
- Low-income population: 3,800+
- Single or no vehicle households: 430+ (no vehicle), 5,400+ (1 vehicle)

# Microtransit

- On-demand and real-time – book when you're ready
- Dynamic routing and scheduling – route will vary
- Operates within a "geofenced zone" – shorter trips
- Leverages your smartphone and new tech

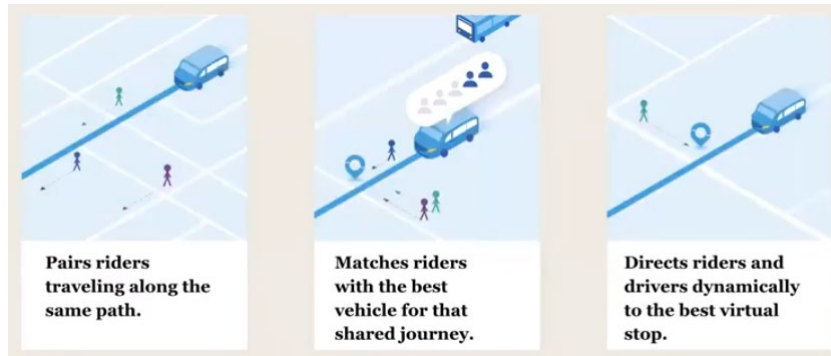


Image Source: Via

# Microtransit Goals

- Quicker and easier trip scheduling
- More convenient and shorter trips
- Connections to regional commuter routes
- Real time arrival updates
- Expand ridership beyond the current 148 riders



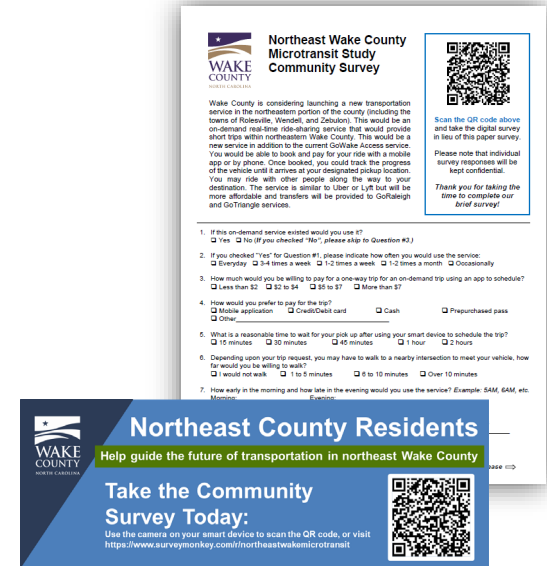
# Microtransit Service Plan

- Communications Plan
- Operations Plan
- Capital and Technology Plan
- Five-Year Financial Plan
- Evaluation Plan



# Communications Plan

- Board/Committee presentations
- Stakeholder interviews
- Focus groups
- Online survey



# Community Outreach..

## Focus Groups

Seniors

Latinx Community

Disability Advocates

Veteran Affairs

383 completed surveys

78% would use the service

89% own & use a smartphone

37% commonly use Uber, Lyft, etc.

## Senior Training Class

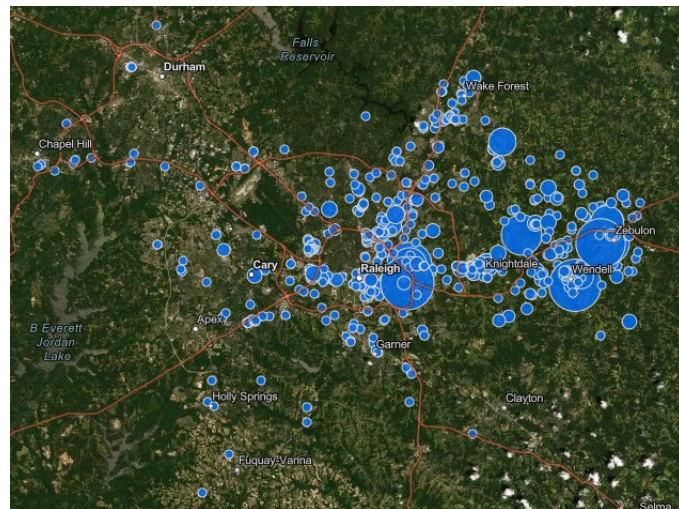


## Political Support



# Operations Plan

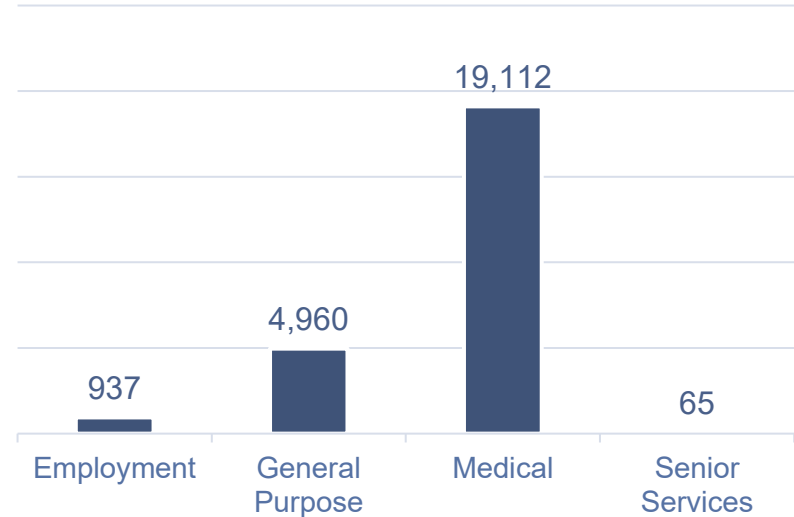
- GoWake Access Trip Data
- Demographics
- Microtransit Propensity Index
- Service Characteristics



# GoWake Access Trip Data

- July 2018 to June 2019
- 25,074 GoWake NE Trips
- Strong Regional Connections
  - ▶ Zebulon to/from Raleigh
  - ▶ Wendell to/from Raleigh
  - ▶ Zebulon to/from Wendell
  - ▶ Rolesville to Rolesville/Raleigh

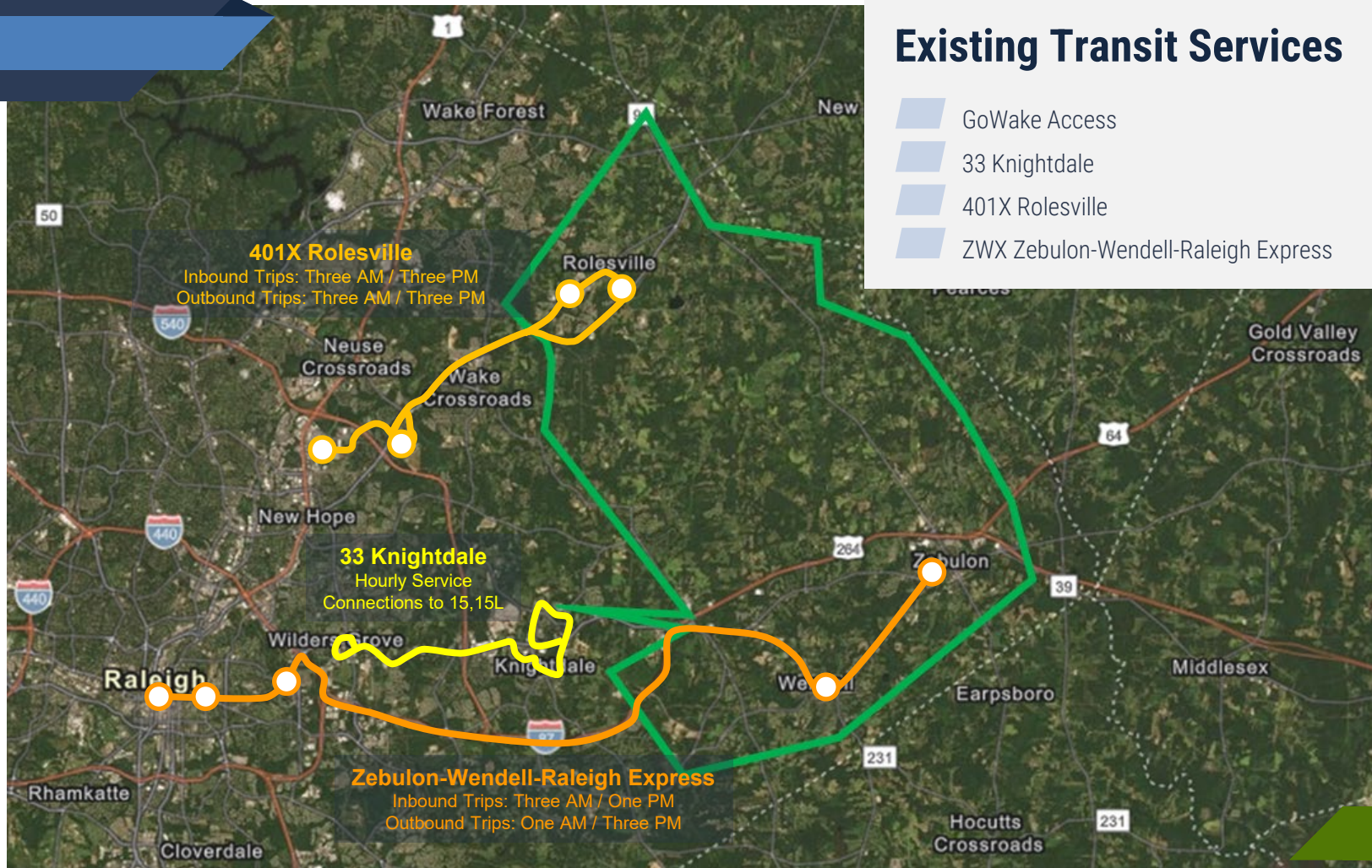
## Trip Purpose





## Existing Transit Services

- GoWake Access
- 33 Knightdale
- 401X Rolesville
- ZWX Zebulon-Wendell-Raleigh Express





# SMARTRIDE NE Launched on March 21, 2022



There's a new, easy way to catch a ride Northeast Wake County!

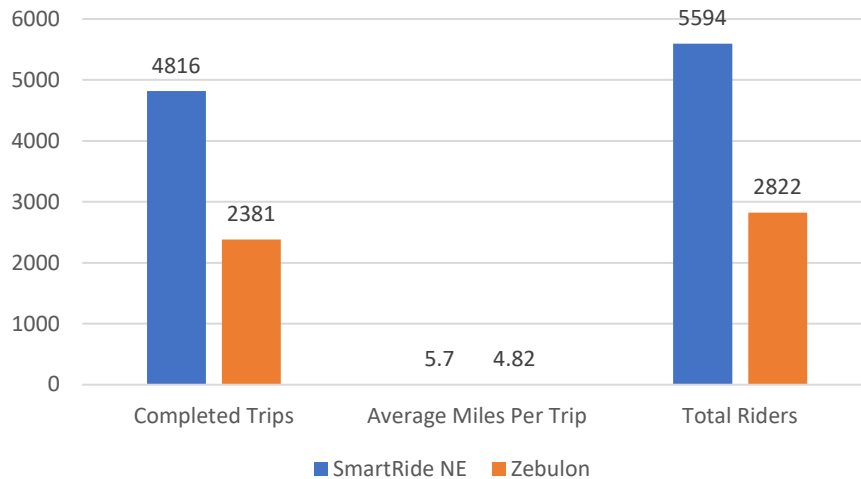
**GoWake SmartRide NE** offers rideshare options for the residents of **Zebulon, Wendell, Rolesville** and the unincorporated areas in **between**. The best part? It's fare-free!

To request a ride, you can **use the Uber app** or call the **GoWake Access call center**.  
919-212-7005

GoWake SmartRide operates **Monday through Friday, 6 a.m. - 7 p.m.**

# SmarRide NE vs. Town of Zebulon

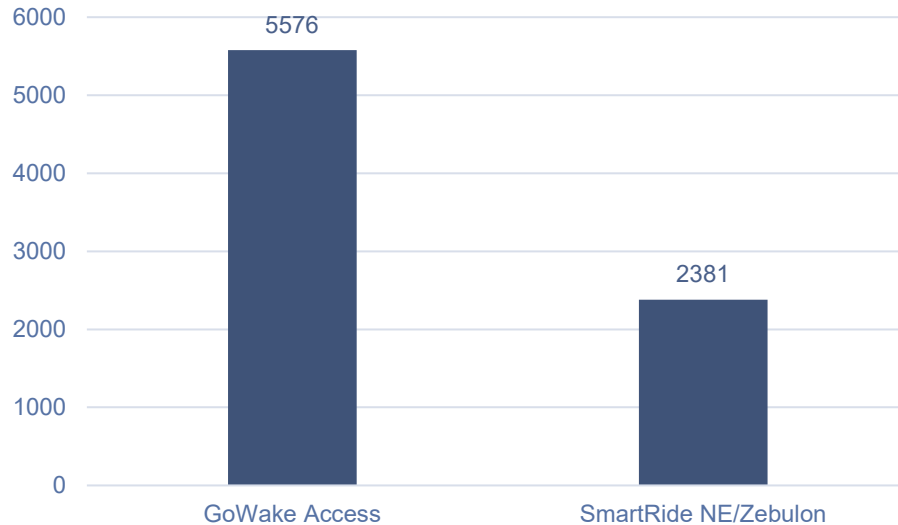
SmartRide NE vs. Town of Zebulon



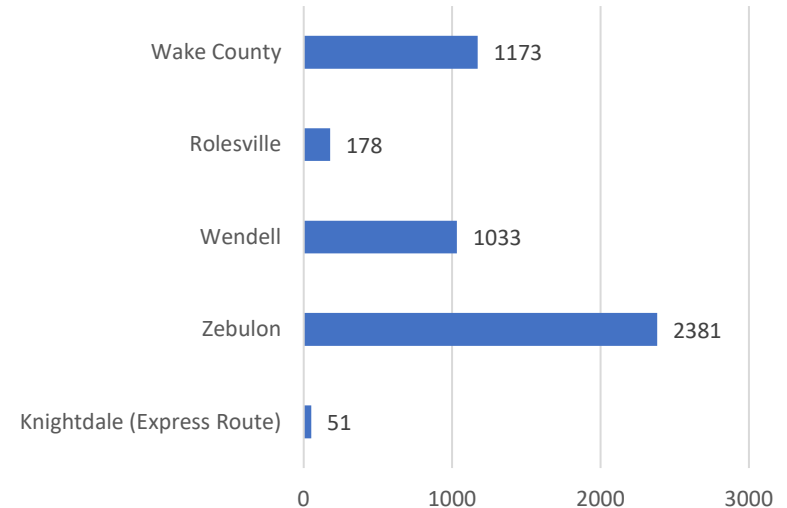
	Completed Trips	Average Miles Per Trip	Total Riders
SmartRide NE	4816	5.7	5594
Zebulon	2381	4.82	2822

# Completed Trips by Service/Jurisdiction

Completed Trips by Service



Completed Trips by Jurisdiction



# SmartRide Trip Projections

Town	Trips (6 mths)	Trips (12 mths)	% of Trips	Estimated Revenue Hours	Estimated Revenue Hours
				(6 months)	(12 months)
Wendell	1,547	3,094	22.00%	540.29008	1080.58
Zebulon	3,785	7,570	53%	1301.60792	2603.22
Rolesville	228	456	3%	73.67592	147.35
Knightdale	127	254	2%	49.11728	98.23
Unincorporated	1,473	2,946	20%	491.1728	982.35
Total	7,160	14,320	100.00%	2455.864	4911.73

# Year 1 Projected Project Costs

	Contracted Revenue Hour Rate	Service Span (Mon- Fri) 6am-7pm	Revenue Vehicles	Daily Service Hours	Annual Service Days	Annual Revenue Service Hours	Annual Operating Costs
<b>Operating Cost</b>	\$ 42.53	13	3	39	260	5000	\$ 212,650.00
<b>Capital Cost</b>					Radio Hardware/Installation		\$10,947
					Seon Cameras		\$1,786
					Fuel Cost (12mth estimate)		\$30,861.00
					Vehicle Barriers		\$4,214.25
					Vehicle Wrapping		\$11,655
					Uber Technology *(1st yr only)		\$42,493.00
<b>Total Cost of Service</b>							\$ 314,606.25

# Continued Project Funding..

■ The Community Funding Areas Program provides an opportunity for towns and the RTP in Wake County, that would otherwise have limited fixed-route transit services, to create or accelerate public transportation services and programs. Eligible municipalities or organizations functioning as project sponsors under the program, with input from their residents, will determine the best investments for their communities.

■ <https://www.campo-nc.us/funding/CFAP>



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# Continued Project Funding..

## Important Dates

- Call for Projects Opens -October 31, 2021
- Pre-Submittal Review Meetings- November 14 – November 18, 2022 & December 5 – December 9, 2022
- Call for Projects Closes (Applications Due)- January 6, 2023
- CAMPO Staff Scores Submissions-January 9 – January 27, 2023
- <https://www.campo-nc.us/funding/CFAP>



# ANY QUESTIONS?



## THANK YOU!