

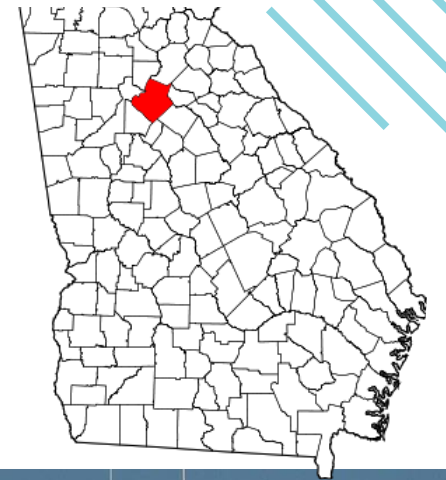


THE WATER TOWER

The Water Tower Global Innovation Center

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History of The Water Tower



Gwinnett Leadership

- Lake Lanier = sole water source
- Nearly 1 million residents
- Produce 70 million gallons per day

F. Wayne Hill Water Resources Center

- Delivers one of the highest levels of treatment in the country
- Wastewater plant + drinking water plant
- Ostara Nutrient Recovery Technologies captures nutrients for use as a fertilizer
- Many, many innovative technologies and processes
- Visited by over 100 countries

Gwinnett County water resources wins 'best tasting water' in Georgia

Gwinnett County is now qualified for the National American Water Works Association competition



Glass of water (Canva photo)
By Miles Montgomery
Published: Jun. 3, 2022 at 1:53 PM EDT



View From TWT

Our Vision

To be a thriving ecosystem of water innovation fueled by imagination, informed by research, and powered by pioneers.

Our Mission

TWTG (501c4) will develop world-class physical infrastructure and dynamic human capital needed to inspire and implement transformational programming for the water industry.

TWTI (501c3) will be a hub for solutions in research, technology, training and engagement for water utilities ensuring access to safe, affordable and resilient water services.

April 2022

TWT CAMPUS OPENED

August 2019

TWT NONPROFITS ESTABLISHED



Reimagine the Future of Water

Expedite the implementation of innovative water and wastewater solutions and engage the next generation of water workers





THE WATER TOWER

The Water Tower

A Physical Campus and Ecosystem of Collaborative Partners Focused on Water Innovation



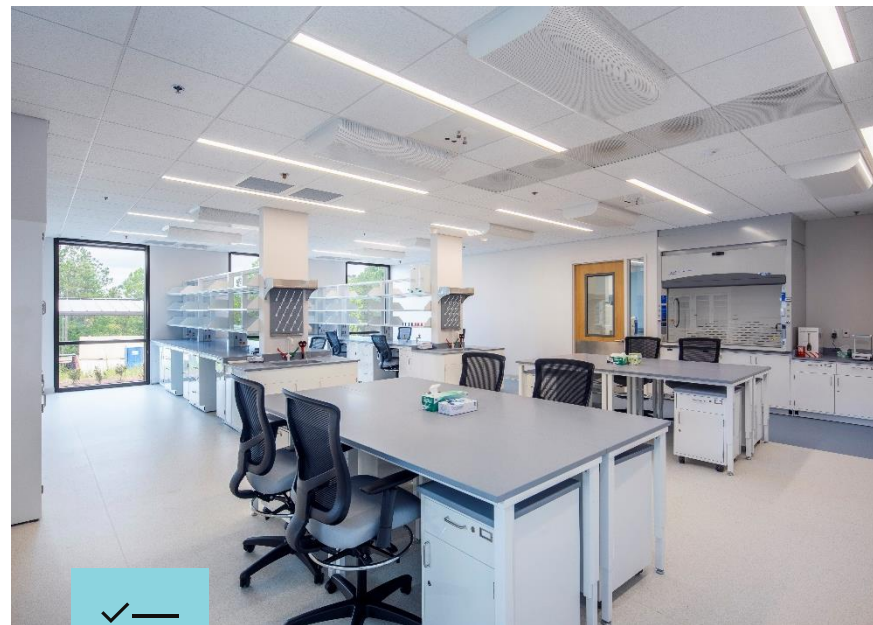
SITE LEGEND

- | | |
|---|---|
| A FUTURE PHASE | E FUTURE PHASE |
| B.1 THE WATER TOWER INNOVATION CENTER | F FIELD TRAINING CENTER |
| B.2 THE WATER TOWER INNOVATION CENTER PHASE II | EXISTING |
| C FUTURE PHASE | 1 F.WAYNE HILL WATER RESOURCE CENTER |
| D FUTURE PHASE | 2 ENVIRONMENTAL AND HERITAGE CENTER |



Planning
for Phase II

Ecosystem of Innovation



Applied Research

Conducting collaborative research to solve practical problems locally and globally in TWT's three research laboratories



Technology Innovation

Fostering and facilitating the creation of new technologies to transform the efficiency and effectiveness of the water industry



Workforce Training

Enhancing the capabilities of resources through classroom, online and field training and conducting outreach to the next generation of water workers



Ecosystem Engagement

Demonstrating the value of clean water and the wide range of application across industries and providing space for the water community to collaborate

TWT Partners

Sustaining and Transformative



Innovation



Collaboration



Thank you to our Founding Partners for their early support of TWT!



Technology Innovation/Applied Research

Accelerate
implementation of water,
wastewater and
stormwater solutions

Technology Demos
Training Tools
Lunch and Learns

3rd Party Validations
Expert review
White paper



Living Laboratory - Real-World Testing



- Primary Influent
- Secondary Effluent
- Advanced Treated Reuse
- APIs for data
- Other physical assets with multiple utility partners

State-of-the-Art Laboratories

Host Site for Research
Corporate R&D
Academia
Leading edge grants

Regional projects of
interest
Lake Lanier Research
Plan



TWT Research Program



Collaborative, Applied Projects

- Collaborative projects with multiple funding sources, including utilities, grants, and other contributions, managed by TWT
- TWT-21-01 Utility Innovation Performance Measures involves 35 utilities from across the country, Canada and Australia



In-House R&D

- Three research labs and live demonstration area for new technology with real process flows from FWH WRC
- Lake Lanier Watershed Research Plan
 - Contaminants of emerging concern (e.g., PFAS)



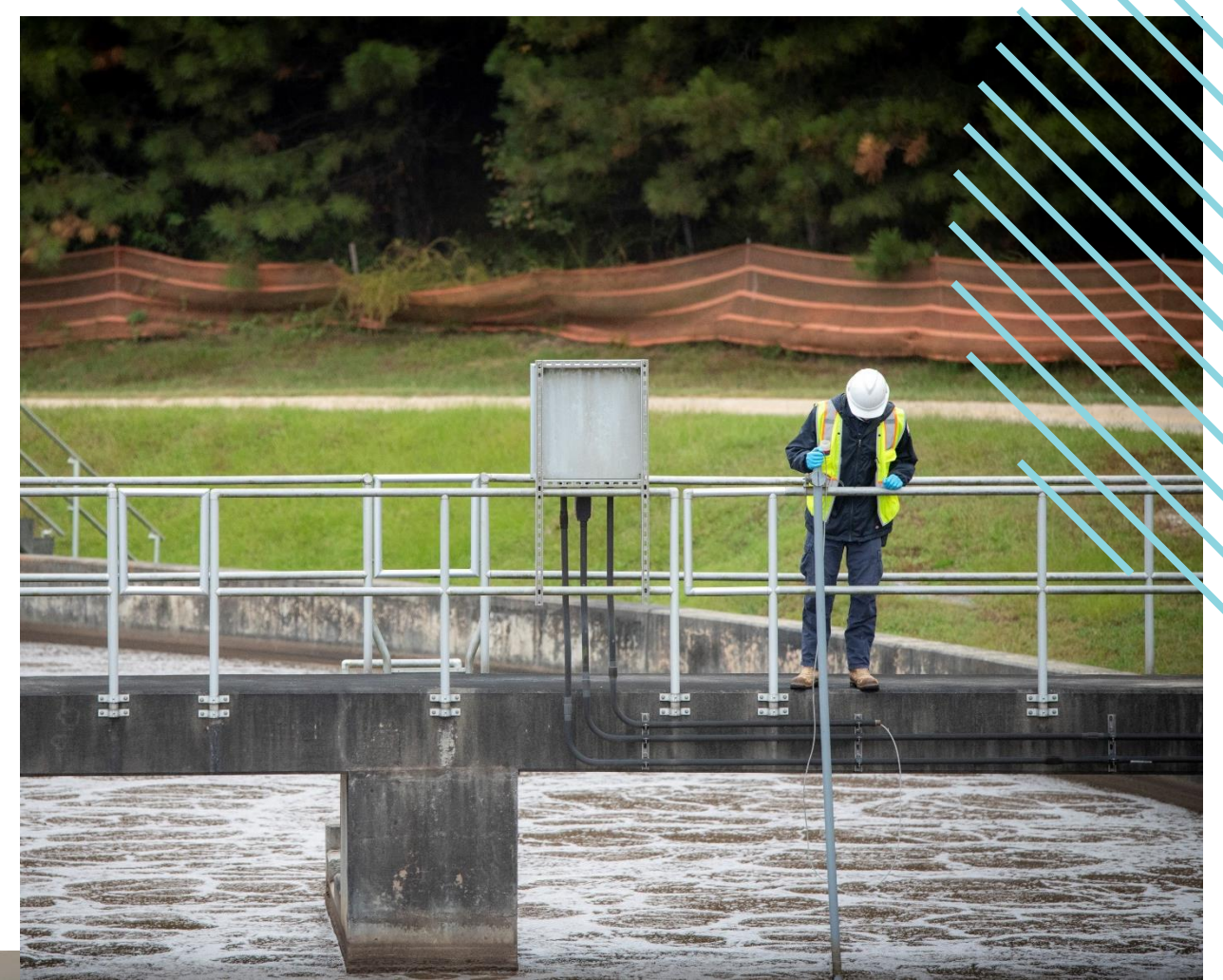
Resources and Training

- Workforce Pipeline for partners and tenants
- State-of-the-art facilities to host visiting professors, student researchers, and partner projects
 - Supporting industry advancement and engaging the NextGen

Workforce Development

Host and/or conduct a robust **hands-on** training curriculum across skilled trades

Facilitate recruitment opportunities



Community Engagement and Professional Development





Demo Day

- Over 400 attendees from across the US (GA, AZ, AL, FL, SC, NC, CA)
- Thought Leadership Lightning Talks
- Expo-style opportunity to showcase new technology to utilities
- Attendees include utility reps, consulting firms, manufacturers, contractors, universities, and more
- Demo Day 2023: April 21



National Backflow Prevention Day

125 front line utility workers attended a full day of training in honor of this "holiday".



Utility Leadership in Innovation Two-Day Workshop

- Second of 3 workshops for this research project
- 40 utilities in attendance both in person and virtual from across the US
- Interactive discussion on how to advance innovation (or start an innovation program) at water/wastewater utilities, how to get buy-in from both leadership and staff, and establish performance metrics to evaluate success of the program



Water Innovation and Leadership Student Summit

157 high school students from 5 schools (2 counties) and 25 volunteers + TWT staff

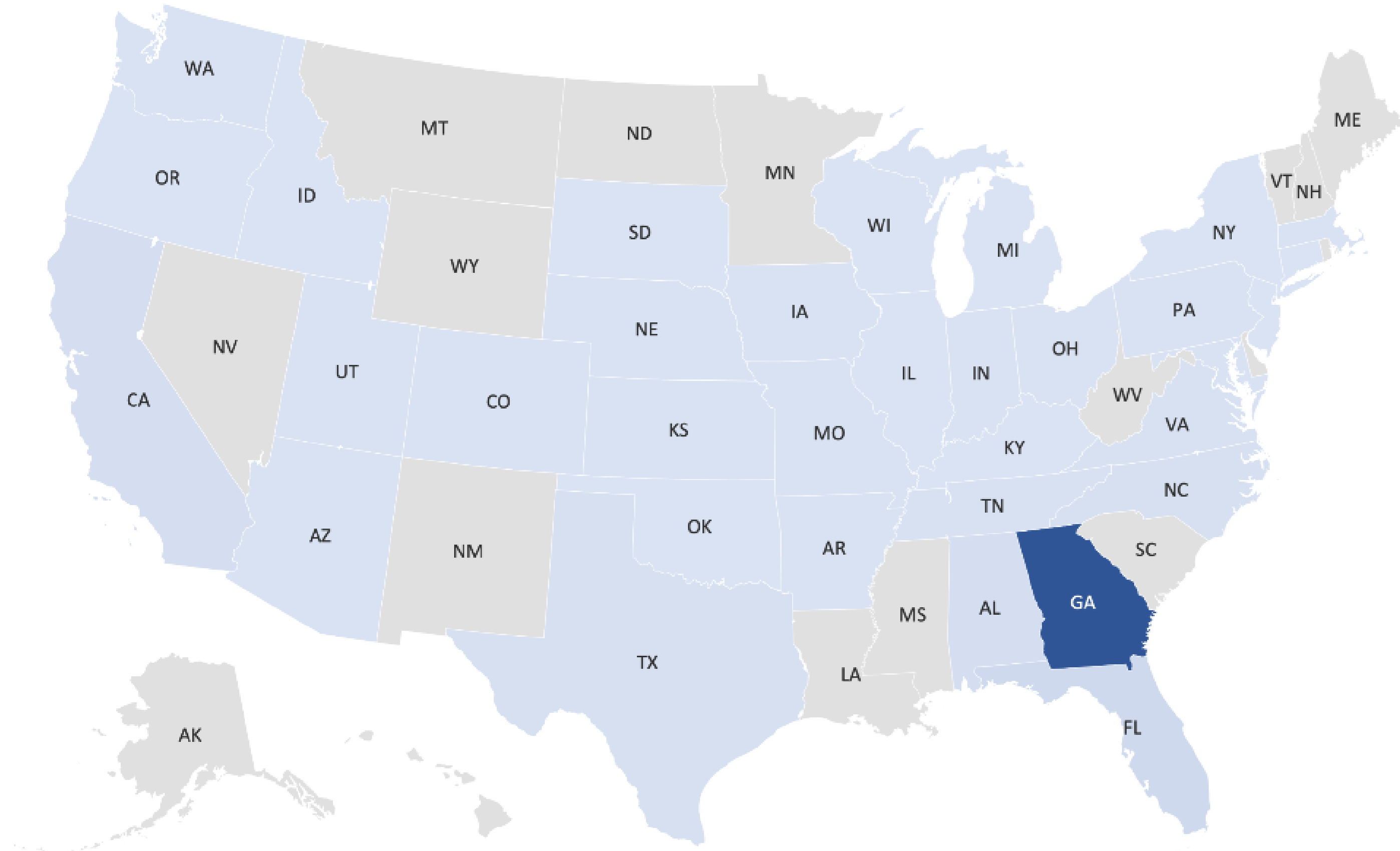
Career fair representing partners

10 hands on activity stations covering topics in biology and stream restoration, robotics, intersection of science and art, microscopy and chemistry, GIS, engineering pipe design, plant and field work, filtration.

Keynote by Jahn Khan, CEO of 4Earth (TWT advocate and future TWT demo)

Student Summit 2023: November 8

Visitors of The Water Tower by State



THE WATER TOWER



THE WATER TOWER

Thank You



www.theh2otower.org

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