

waterSC

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SC DEPARTMENT of
**ENVIRONMENTAL
SERVICES**



SOUTH CAROLINA DEPT. OF
COMMERCE



SOUTH CAROLINA
DEPARTMENT OF
PARKS, RECREATION
& TOURISM



The Charge for WaterSC

Executive Order No. 2024-22

- Balance the State's ***economic, environmental, and social needs***;
- Ensure the ***reliability, resiliency, sustainability, and sufficiency*** of the State's water resources ***for all existing and future uses***, while simultaneously ***protecting the environment***; and
- Support and facilitate additional ***collaboration*** with ongoing efforts and existing initiatives.



The Charge for WaterSC

Executive Order No. 2024-22

Stakeholder Engagement Plan
October 31, 2024

Quarterly updates to the Surface Water
Study Committee

Advise on updated State Water Plan
December 31, 2025

WaterSC Focus To Date

Guiding
Principles

State of Surface
Water

State of
Groundwater

The State Water
Plan

Water
Management:
ASR &
Conjunctive Use

**Today's
Focus: Water
Reuse and
Conservation**

| Time | Agenda |
|---------|---|
| 1:00 pm | Welcome & Leading the Charge for WaterSC |
| 1:15 pm | Water Reuse, Tricia Kilgore, P.E. |
| 1:45 pm | Tabletop Discussion: Managing SC Water Resources with Water Reuse |
| 2:30 pm | Break |
| 2:45 pm | Conservation Practices & Strategies: Tabletop Discussions by Sector |
| 3:45 pm | Next Steps |
| 4:00 pm | Adjourn & Networking |

WaterSC Full Scope

Guiding Principles

State of Surface
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State of
Groundwater

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Plan

Water
Management: ASR
& Conjunctive Use

Water
Management:
Water Reuse and
Conservation



Water
Management: IBT

Connections with
COGs & RBCs

Economic Growth
Forecast

Multi-state
Considerations

Water Planning
Framework &
Recommendations

WaterSC Guiding Principles

- "Water is a *shared resource* with *shared responsibility*"
- A *collaborative approach* to develop and implement a *science-based actionable plan*
- A plan that *balances economic, environmental and community needs*
- A plan that secures *reliable and resilient* water resources for the *future*



The WaterSC Working Group: Stakeholder Engagement Plan

- Have a statewide resource-focused approach
- Remain committed to the process
- Serve as a voice and connection for stakeholder sectors and categories
- Provide transparency
- Be collaborative and solution-focused



Managing SC Water Resources with Water Reuse

WATER REUSE

Tricia H. Kilgore, P.E.

Beaufort-Jasper Water & Sewer Authority

WaterReuse South Carolina

WaterSC
Columbia, SC
April 2025

ENGAGE.
EDUCATE.
ADVOCATE.



WaterReuse South Carolina

- Beaufort-Jasper WSA
- Broad Creek PSD
- City of Rock Hill
- Frill Island PSD
- Georgetown County W&S
- Grand Strand W&S
- Hilton Head PSD
- Kiawah Island
- Mt Pleasant Waterworks
- South Island PSD
- ReWa
- SCDES
- AECOM
- Black and Veatch
- Brown and Caldwell
- CDM
- Dewberry
- Hazen
- HDR
- Seamon Whitesides



What is Reuse?



the right water for the right purpose





PROPERTY OWNERSHIP MAP
STANTON SPRINGS & STANTON SPRINGS NORTH
 JASPER, MORGAN, NEWTON & WALTON COUNTY, GEORGIA
 JULY 2022

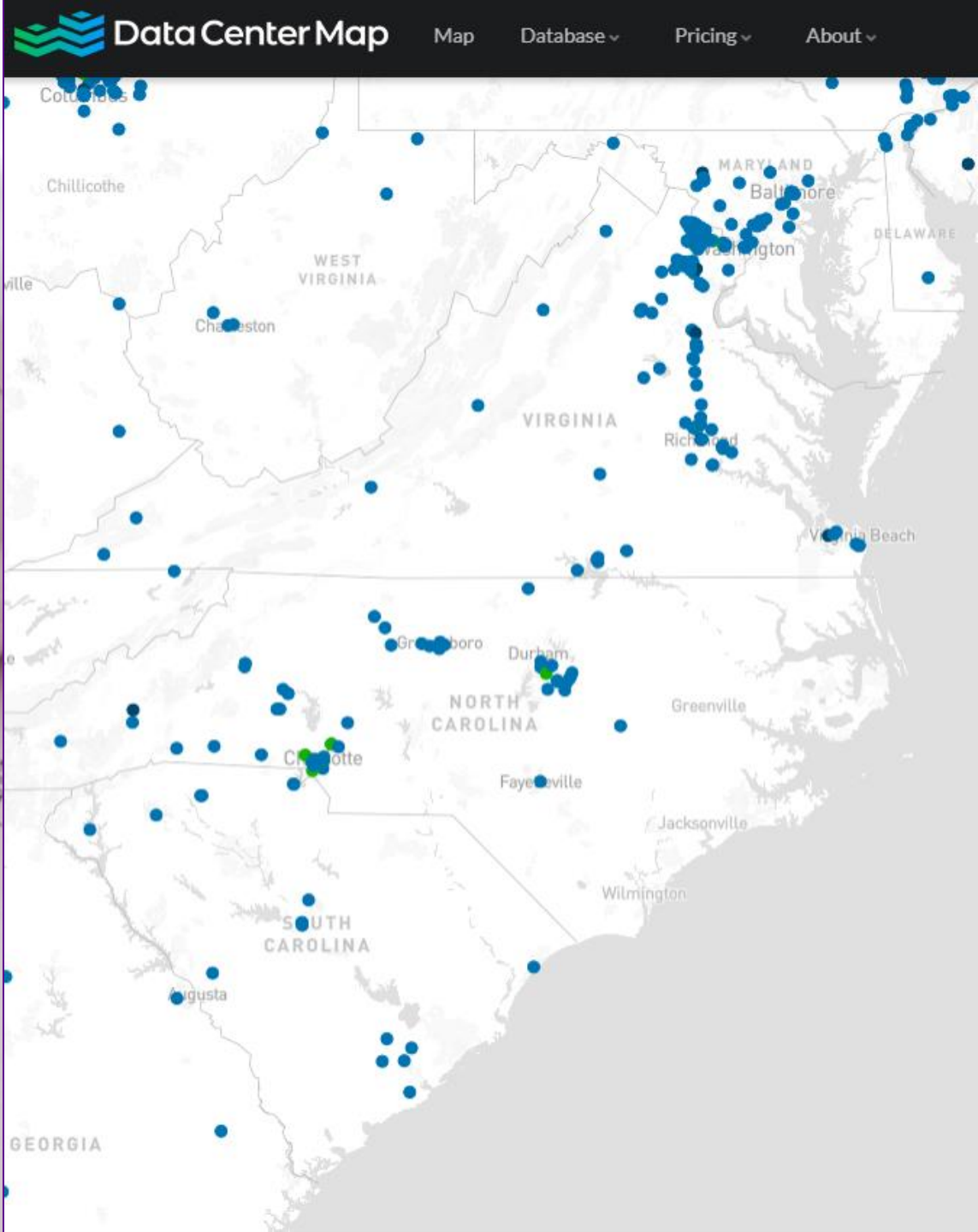


JOINT LOWER STREET NORTHWEST
 JASPER, MORGAN, NEWTON & WALTON COUNTIES
 10000 JASPER STREET NORTHWEST
 JASPER, GA 30135
 THE MAPS, DRAWINGS, AND OTHER INFORMATION CONTAINED HEREIN ARE THE PROPERTY OF JDA. NO PART OF THIS MAP, DRAWING, OR OTHER INFORMATION SHALL BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF JDA.



RECLAIMED WATER DO NOT DRINK

19:36



Turkey Point, Homestead, FL



Stanton Energy Facility, Orlando, FL



Plant McIntosh
Effingham, GA
Units 10-11

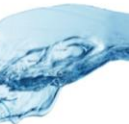


Palo Verde Generating Station, AZ





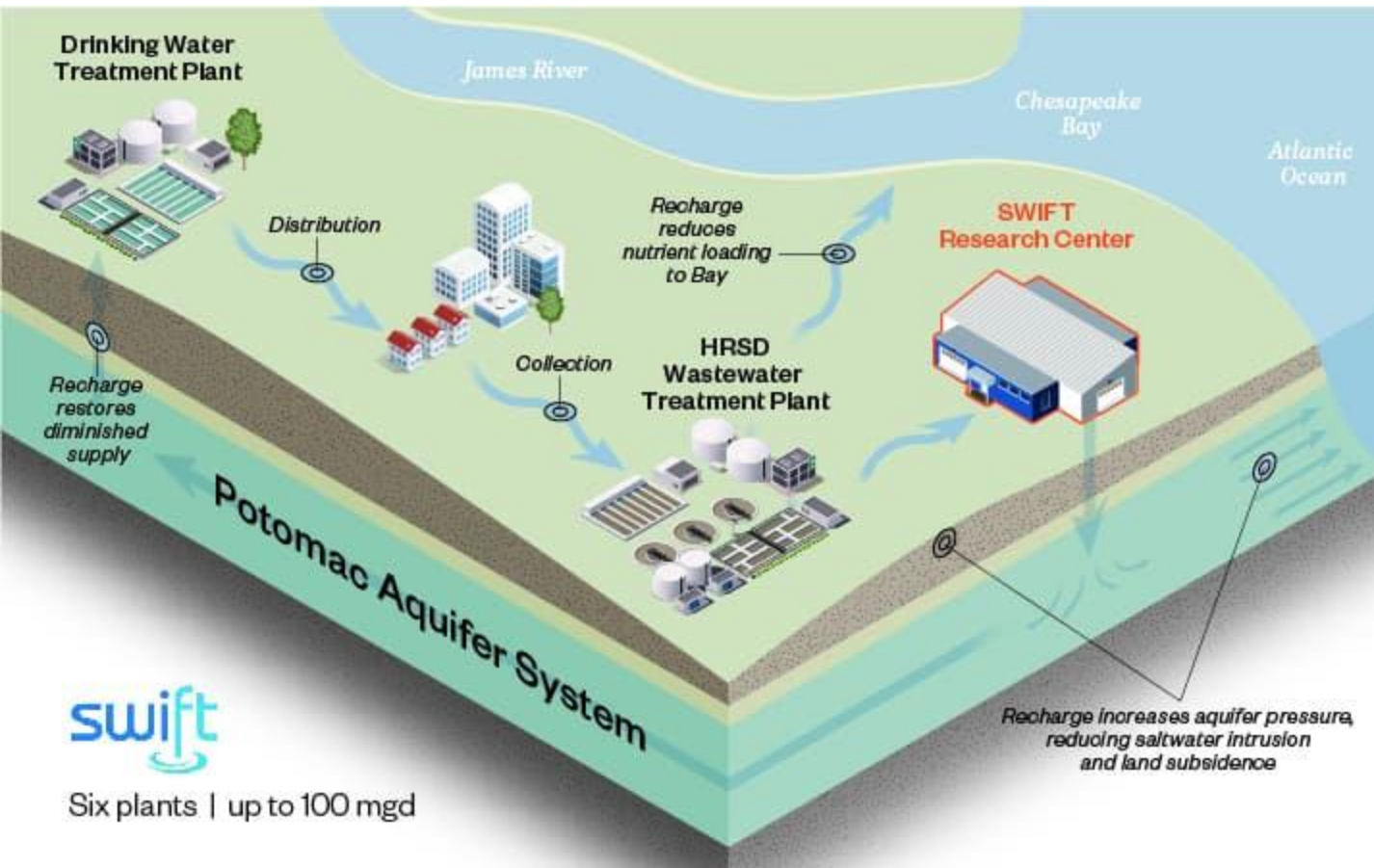




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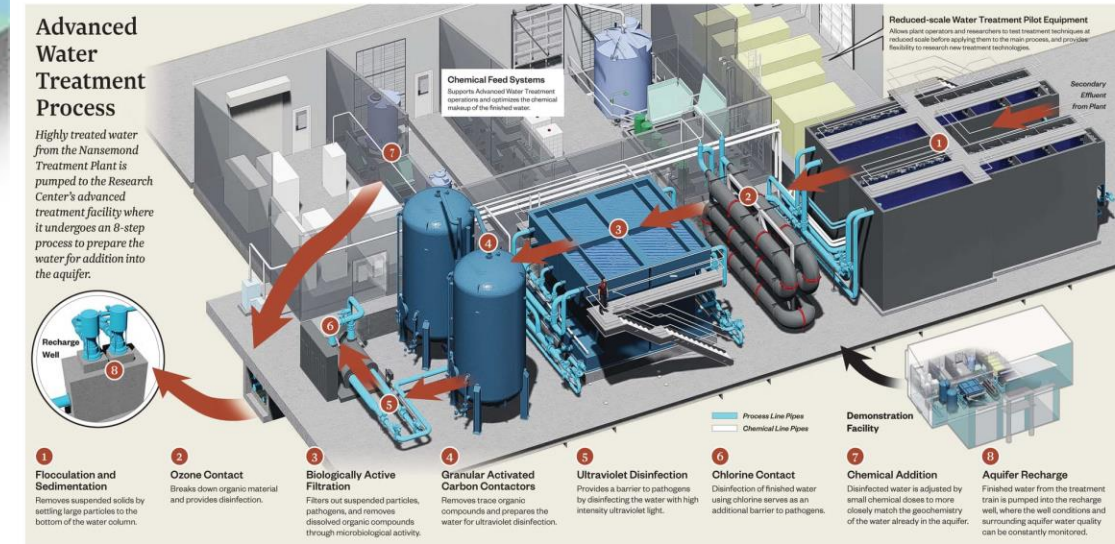
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Advanced Water Treatment Process

Highly treated water from the Nantuxum Treatment Plant is pumped to the Research Center's advanced treatment facility where it undergoes an 8-step process to prepare the water for addition into the aquifer.





Reuse in South Carolina

- Reclaimed water is a valuable resource
- With advances in water treatment technology, potable or near-potable water quality is possible from almost any source
 - Judge water by its quality, not by its history
- Treat for use, purpose
- Regulatory Clarity and Changes
 - Possible legislation
- Public Acceptance
 - General public and water stakeholders





Questions?

www.watereuse.org

tricia.kilgore@bjwsa.org

Water Reuse Discussions



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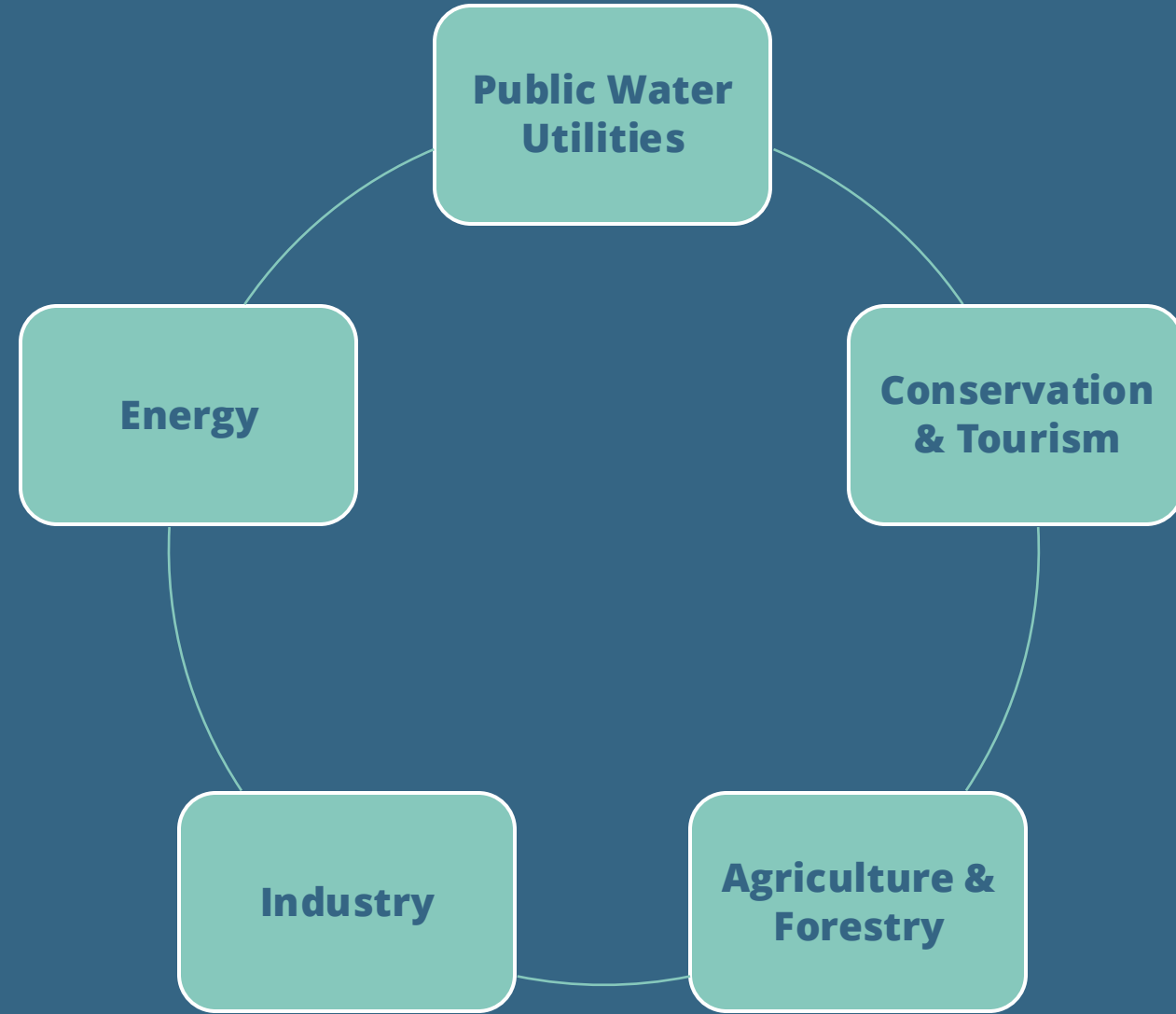


SOUTH CAROLINA
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Water Conservation Discussions

- Current Practices
- Opportunities
- Limitations



Next Steps

Working Group Meetings



Working Group Proposed Schedule

June 19

**Retreat
for July 30-31
or Aug 6-7**

September 11

October 9

**Listening
Sessions
TBD**

**November
13**

December 11

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