

Welcome









Spring Cleaning




for Fire Safety



Inside The Home

-  Test your home's smoke and carbon monoxide alarms.
-  Don't use electrical appliances with frayed cords.
-  Check for water around electrical appliances.
-  Clean debris from your clothes dryer lint trap and exhaust duct.

Outside The Home

-  Remove dead leaves and other debris around foundations, decks, porches, and stairs.
-  Check grills for rust, worn parts, insects, grease, and other debris before use.
-  Grills should only be used when at least 10 feet away from your house or any building.

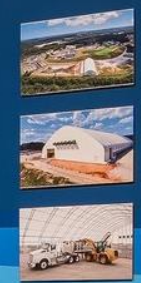
ReWa Celebrates 100 Years of Cleaning Water

renewable water resources



Recycling Appliances - Reducing Waste

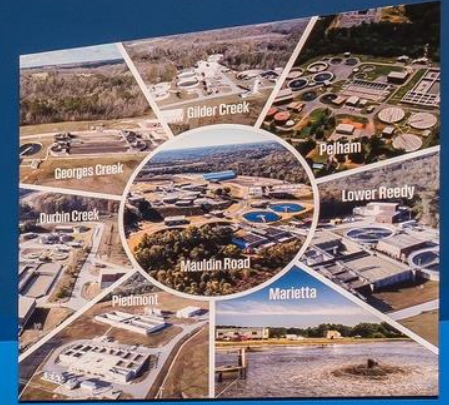
Recycling appliances help reduce waste and save money. They are designed to be used in homes and businesses to recycle paper, plastic, and metal. This helps reduce the amount of waste that ends up in landfills and incinerators. Recycling also helps conserve natural resources and reduce greenhouse gas emissions.



It Takes A Village

It takes a village to clean water. ReWa works with local governments, businesses, and citizens to protect and improve our water resources. We are committed to providing clean, safe water for everyone in our region.

UpstateRoundtable



Protecting the Community

A century of service, and progress



OUR MISSION

Enhancing our community's quality of life by transforming wastewater into renewable resources through responsible and innovative solutions.

OUR VISION

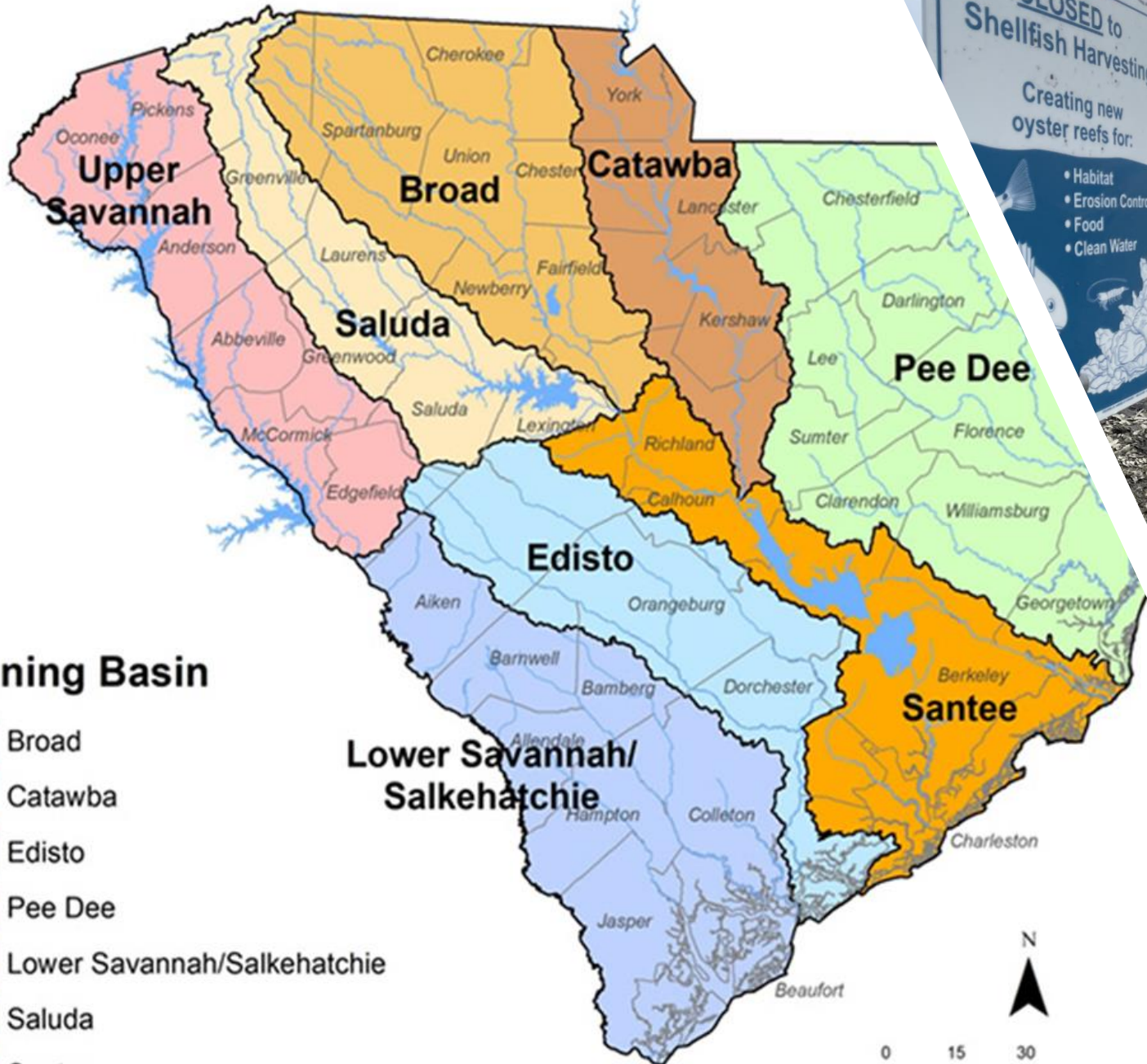
To inspire excellence in our industry, our people, and our community.

OUR VALUES

Accountability
Dedication
Integrity & Trust
Professionalism
Safety
Unity

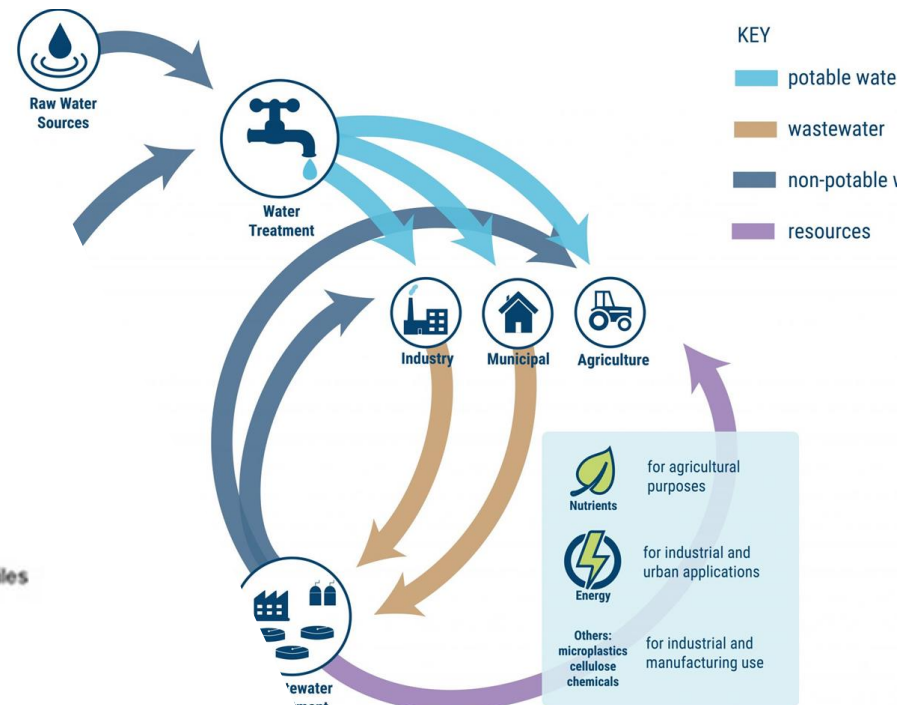
Since 1925





Planning Basin

- Broad
- Catawba
- Edisto
- Pee Dee
- Lower Savannah/Salkehatchie
- Saluda
- Santee
- Upper Savannah



KEY

- potable water
- wastewater
- non-potable water
- resources





Beneficial Waste Utilization

March 23, 2026

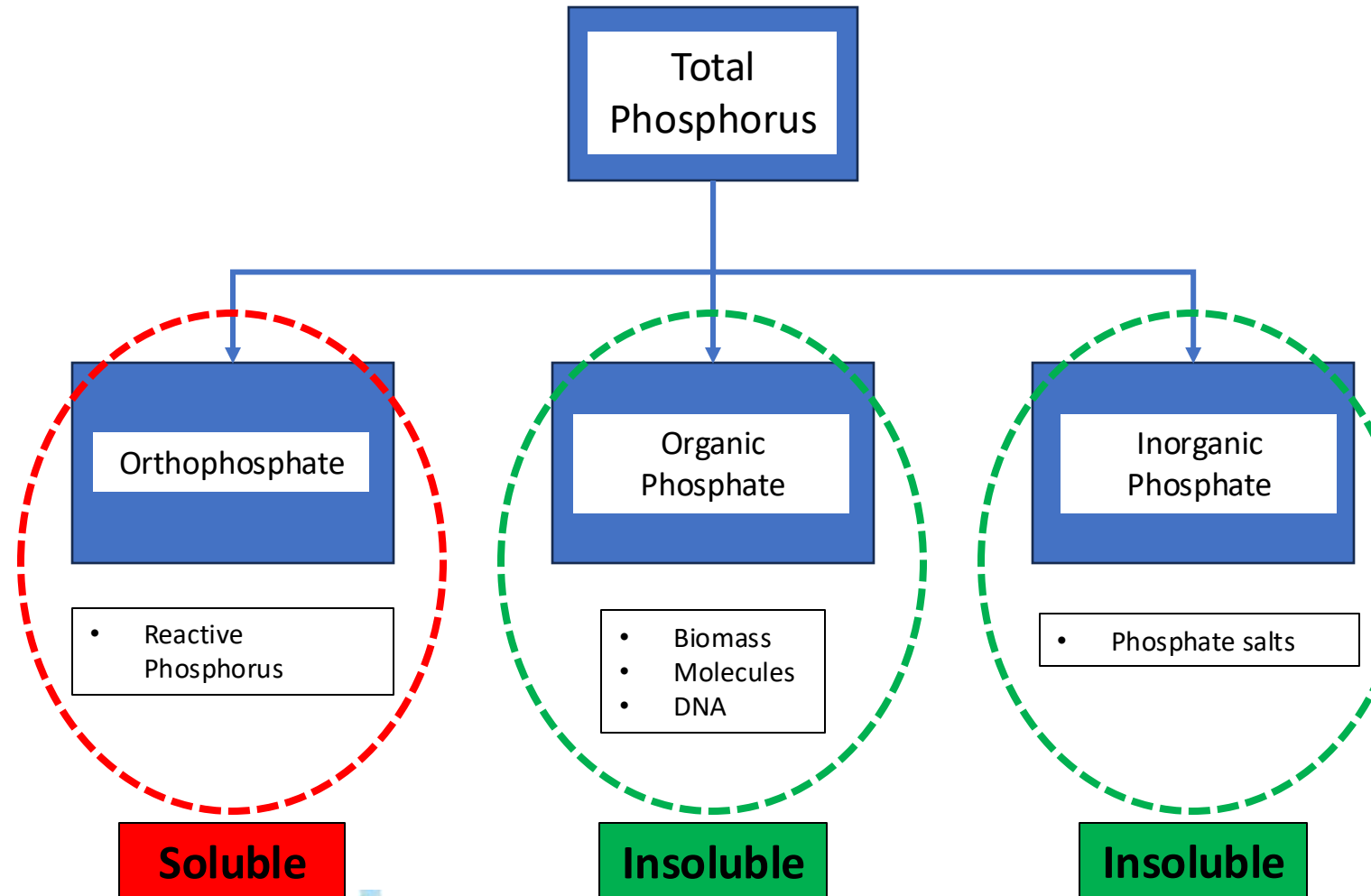


Agenda

- Phosphorus removal in water resource recovery facilities (WRRFs)
- Mauldin Road Overview
- Mauldin Road Phosphorus removal
- Operational Improvements
- Juice Waste Providers
- Beneficial Waste Program Development
- Utilization of FOG Waste

Phosphorus Removal

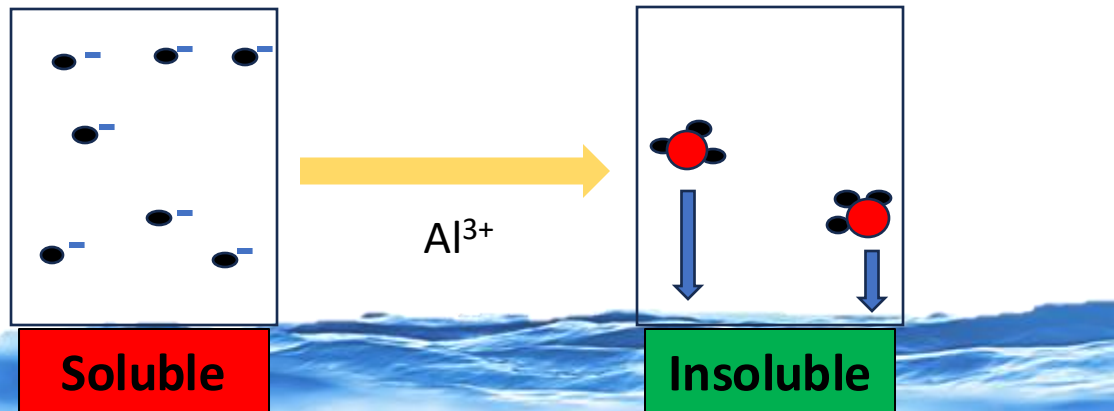
- Three major forms of phosphorus in domestic wastewater
- Ortho P:TP ratio is typically 50-80%
- Ortho P must be made insoluble to be removed using physical processes
- Two major processes to achieve this goal
 - Chemical coagulation
 - Biological phosphorus removal



Phosphorus Removal

Chemical

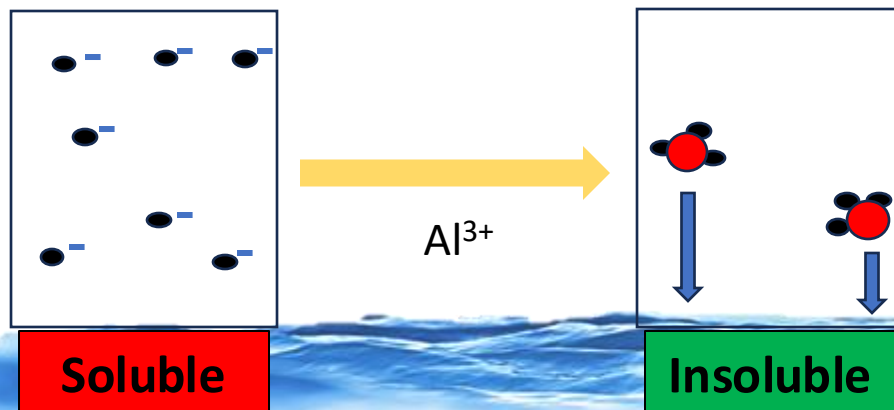
- Strong negative (anion) charge keeps Ortho-P soluble
- Metal salts (cation) are added to neutralize Ortho-P charge
- Charge neutralization facilitates coagulation and allows for physical separation process



Phosphorus Removal

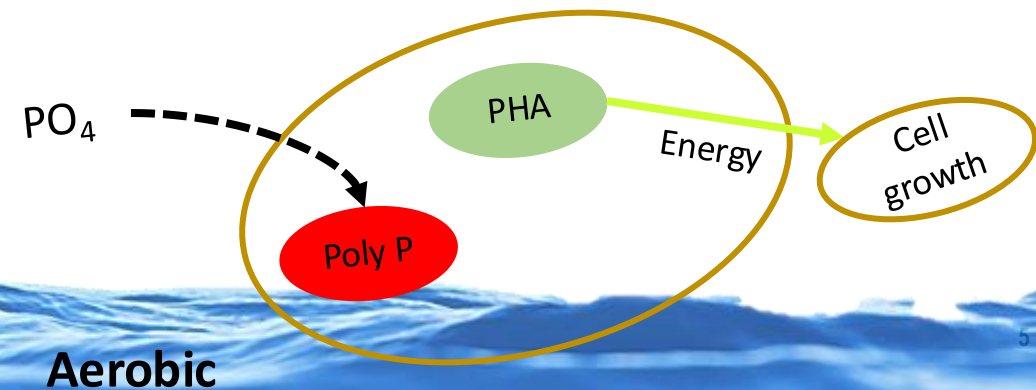
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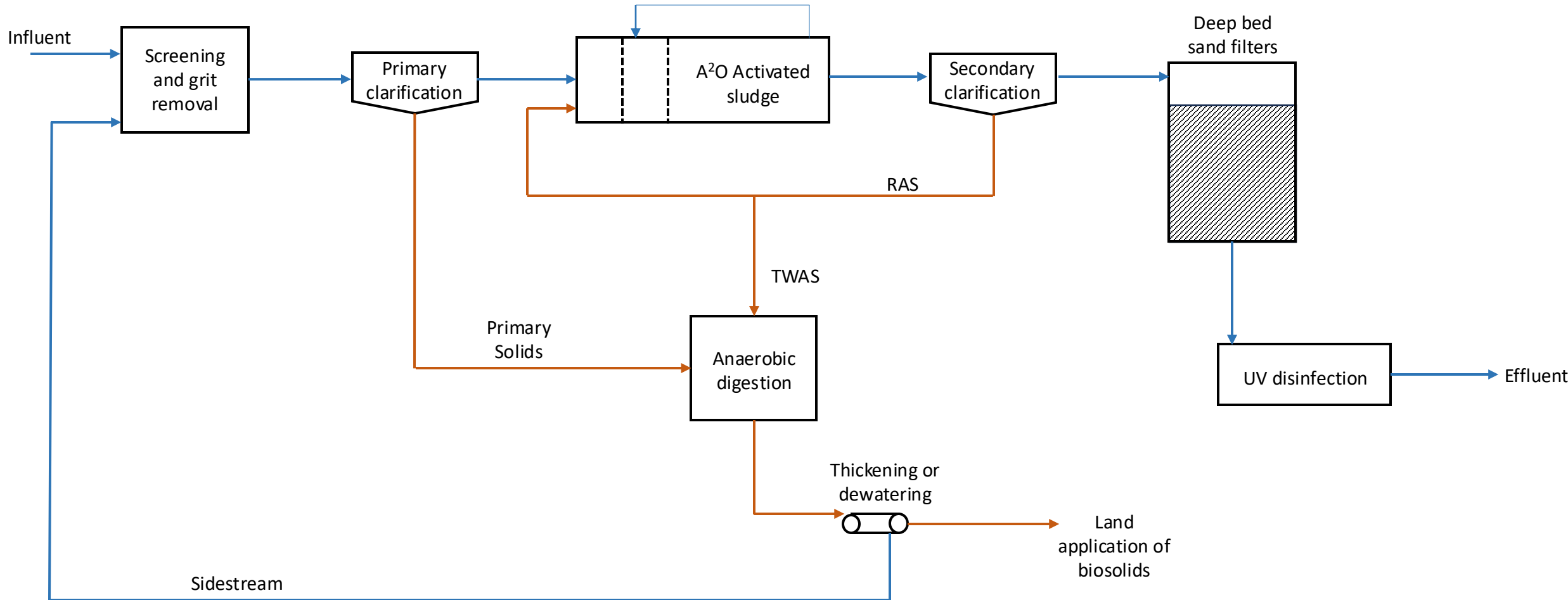


Biological

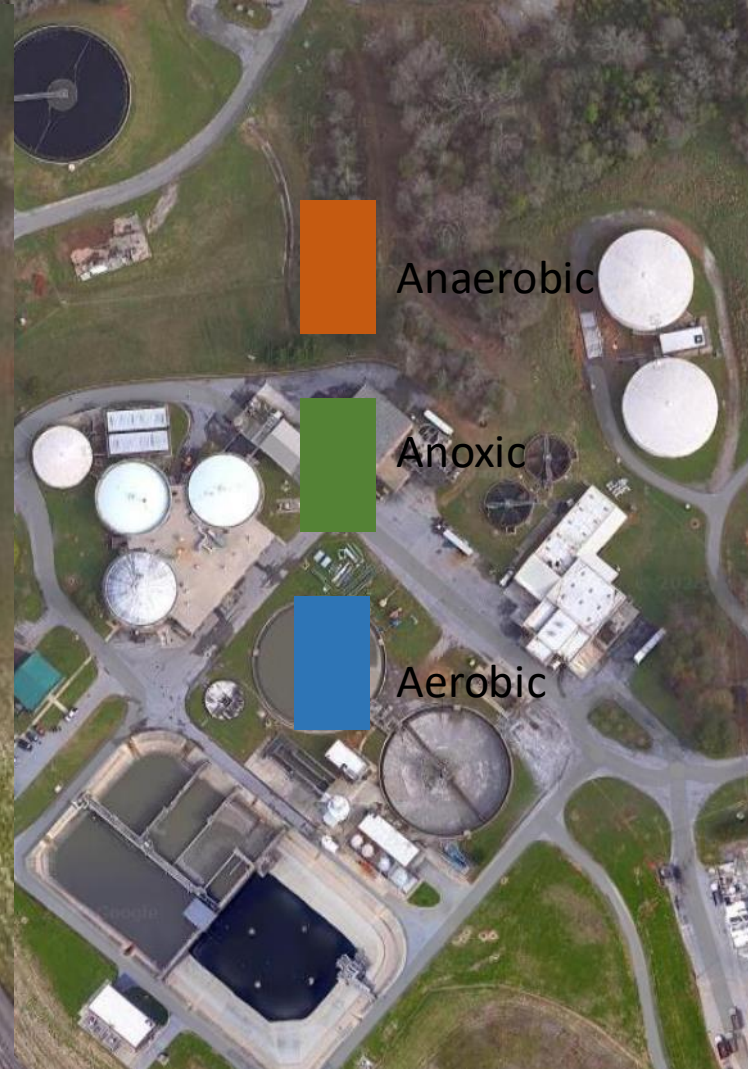
- Alternating metabolic conditions facilitates the growth of polyphosphate-accumulating organisms (PAO)
- **Anaerobic**: PAOs use a polyphosphate to store VFAs intracellularly.
- **Aerobic**: PAOs consume stored VFAs and uptake “extra” phosphorus to replenish polyphosphate stores



Mauldin Road Flow Diagram and Overview

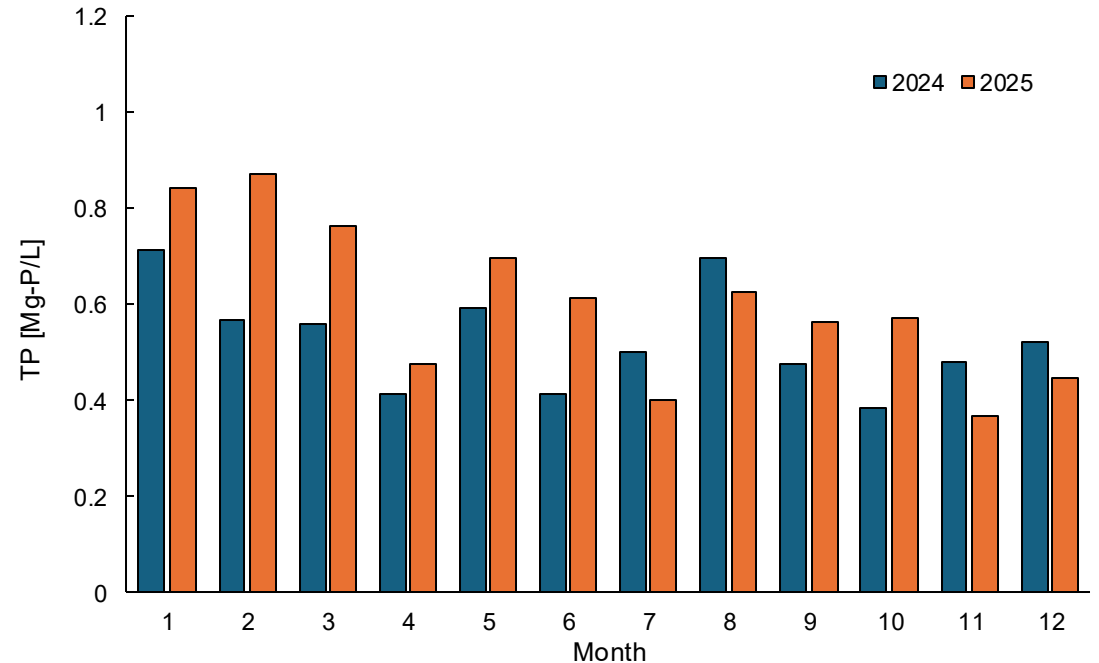


Mauldin Road- A2O



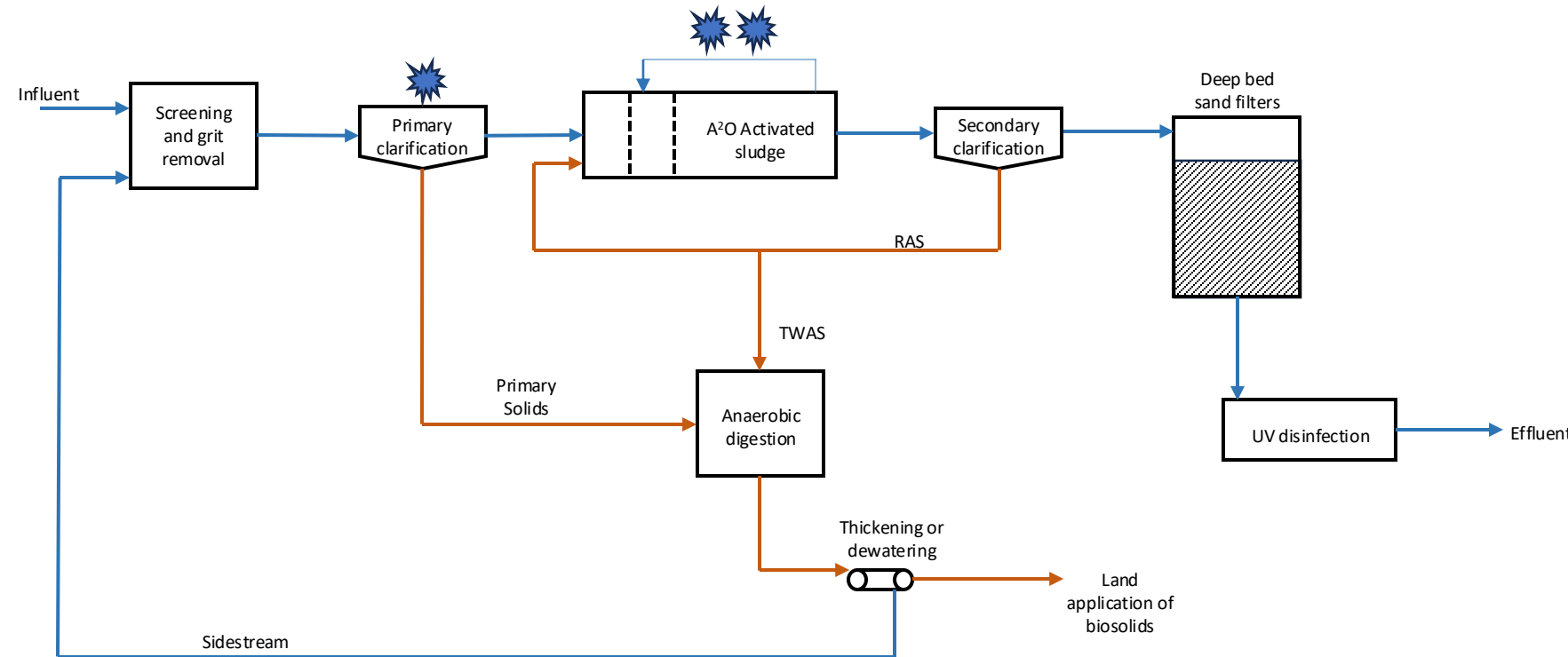
Mauldin Road Performance

- Current Permit
 - Flow: 29 MGD
 - TP: 1.3 mg-P/L monthly average
 - TN: MR
 - Sampled 7 days per week
- 2025 Performance
 - Average daily flow: 14.1 MGD
 - TP: 0.603 mg-P/L
- Challenges
 - Currently liquid land apply but transitioning to cake application.
 - Seasonal variation
 - NPDES under review with potential to be significantly lower TP limit.



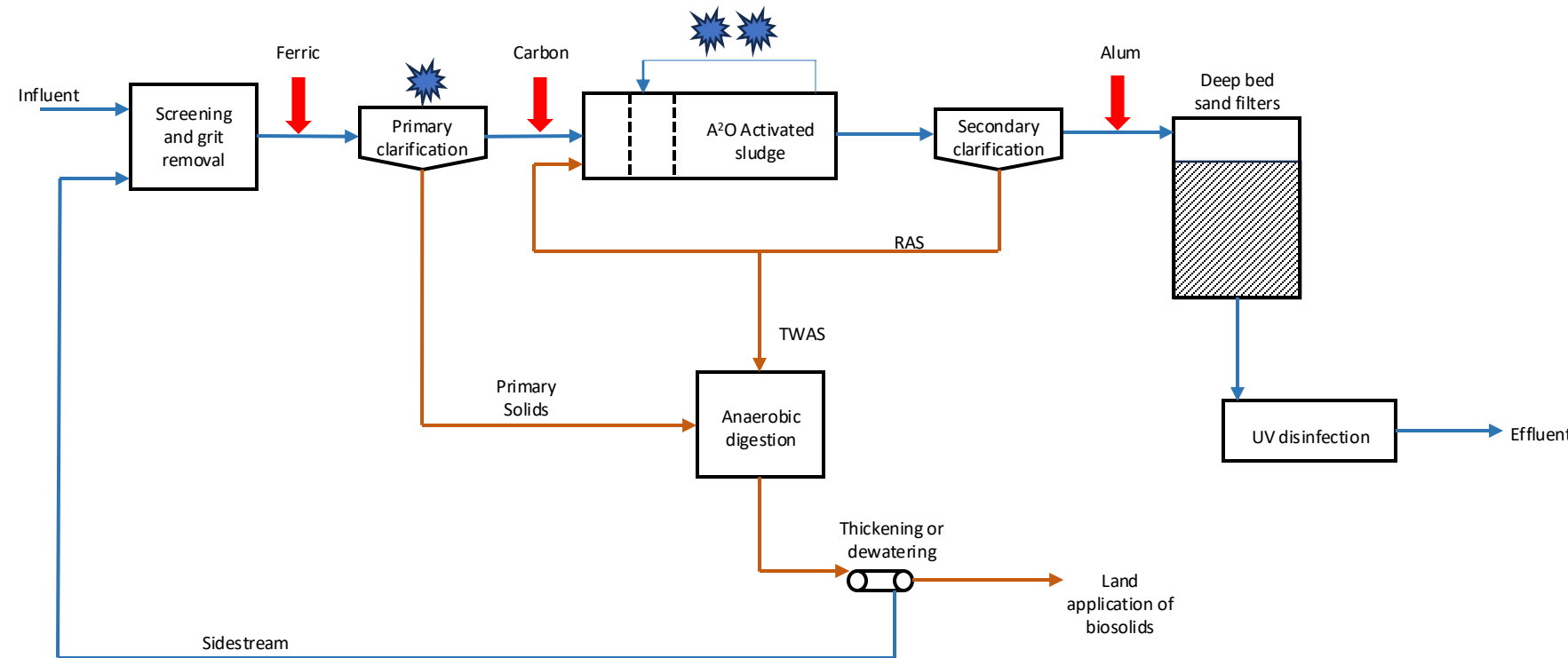
Mauldin Road: P-Removal

- Mauldin Road influent TP
 - 6-10 mg/L
- “Free” TP removal at Mauldin Road
 - Primary clarification removes settleable TP (5-10%)
 - Biomass growth in activated sludge consumes TP (10-20%)
 - Enhanced biological TP removal (EBPR) can remove remaining depending on influent carbon.



Mauldin Road: P-Removal

- EBPR is an instable process and does not always remove enough TP.
- “Not free” backup TP removal at Mauldin Road
 - Addition of carbon to secondary treatment to improve EBPR.
 - Juice waste or acetic acid
 - Alum addition to remove ortho P in deep sand bed filters
 - Ferric addition to primary clarification to increase settable TP



Juice Waste

- **Refresco** – Permitted industrial user.
 - The largest independent bottle for retail and branded beverage company in Europe and North America. The Greer facility batches fruit and vegetable juices and sports drinks from concentrate. The facility packages and warehouses finished products.
 - Raw materials used in process: Fruit juice concentrates, natural and artificial flavors, treated water, natural and artificial sweeteners.
 - Discharges to ReWa's Pelham WRRF – Average daily flow = 162,013 gpd.
 - High strength waste is diverted from their normal discharge point, sent to a holding tank, and hauled into ReWa's Mauldin Rd WRRF as source of beneficial waste.
 - Liquid waste hauled to Mauldin Rd WRRF as a beneficial waste started in 2006.
 - Average 4 tanker loads per week. ~ 20,000 gallons.

Juice Waste

- PepsiCo. – Beverage bottling and distributor in Columbia SC.
 - Liquid produced that has expired or is not used for sale and distribution is brought to ReWa's Mauldin Rd WRRF as a source of beneficial waste.
 - Study on liquid waste was initiated in 2012, and hauled to ReWa as a beneficial waste starting in 2015.
 - In 2025, 660,000 gallons of PepsiCo. Waste was brought to the Mauldin Rd. WRRF.

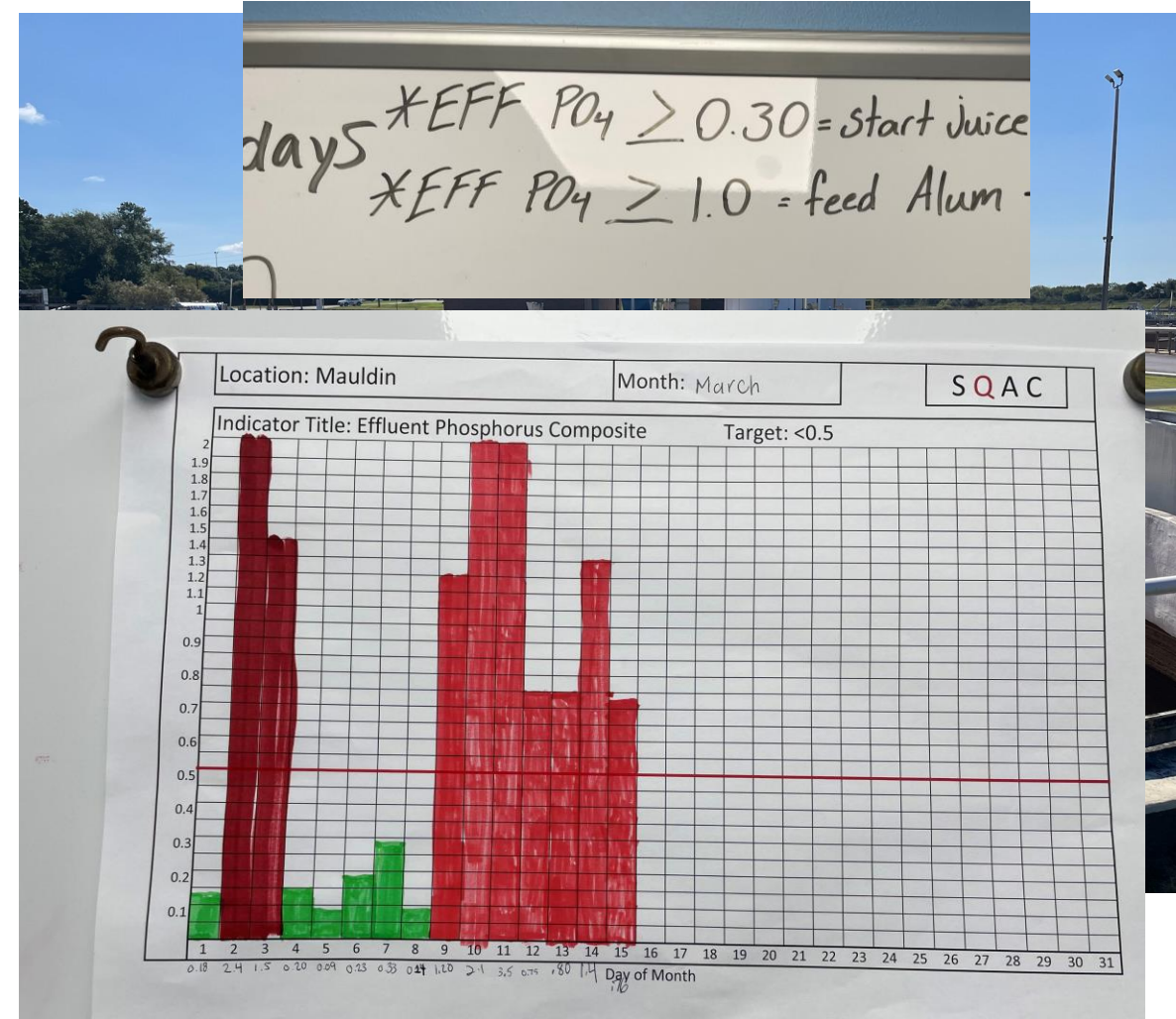
Juice Waste



TS	%	0.77
VS/TS	%	0.82
Ammonia	mg/L	ND
TKN	mg/L	33.9
Ortho-Phosphate	mg/L	32.0
Phosphorous	mg/L	169
TDS	mg/L	4,840
TSS	mg/L	243
PH	S.U.	3.83
Bod	mg/L	20,560
Cod	mg/L	28,280
sBOD	mg/L	21,220
SCOD	mg/L	26,480

Juice Feed CIP and Operation

- Additional carbon can be fed prior to secondary treatment to improve EBPR
- Juice tank was rehabilitated in 2022 to facilitate long term use of juice waste
- Facility receives daily loads of juice and feeds based on effluent phosphorus performance
- Currently looking for more beneficial waste to add to juice tank



Development of Beneficial Waste Program

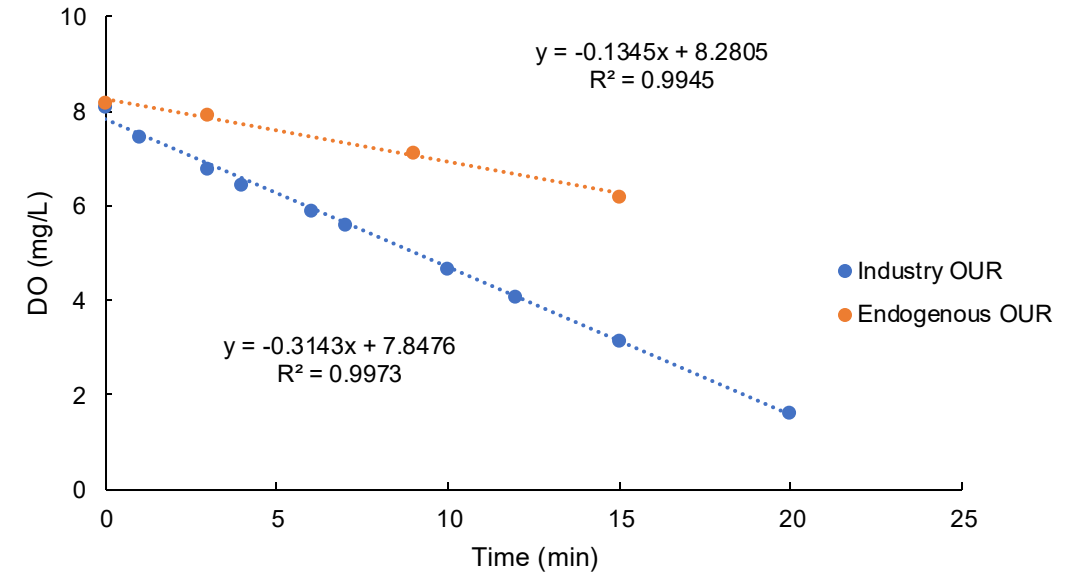
- Expand our evaluation and inventory list of beneficial high-strength waste sources.
- Identify breweries, wineries or other potential industries or commercial establishments within and outside of ReWa's service area.
- Develop screening criteria for beneficial waste for nutrient removal and digestion.
- Use criteria to assess various requests and determine if they are beneficial.
- Follow up with batch testing using plant biomass to determine if waste is truly beneficial.

Beneficial Waste Criteria				
Organics	BOD	Greater than	15,000	mg/L
	sBOD/tBOD	Greater than	0.65	%
	BOD/COD	Greater than	0.5	%
Solids	TVS/TS	Greater than	65	%
	TDS	Less than	7,000	mg/L
	TSS	Less than	7,000	mg/L
Nutrients	TP	Less than	300	mg/L
	TKN	Less than	300	mg/L
	BOD:TP	Greater than	50	[-]
	BOD:TKN	Greater than	25	[-]

Juice tank	Industry #1
1.14.26	1.28.26
20,560	8,805
1.03	0.61
0.73	0.45
0.82	0.50
4,840	7,570
243	6,540
169	82
34	97
122	107.77
606	91

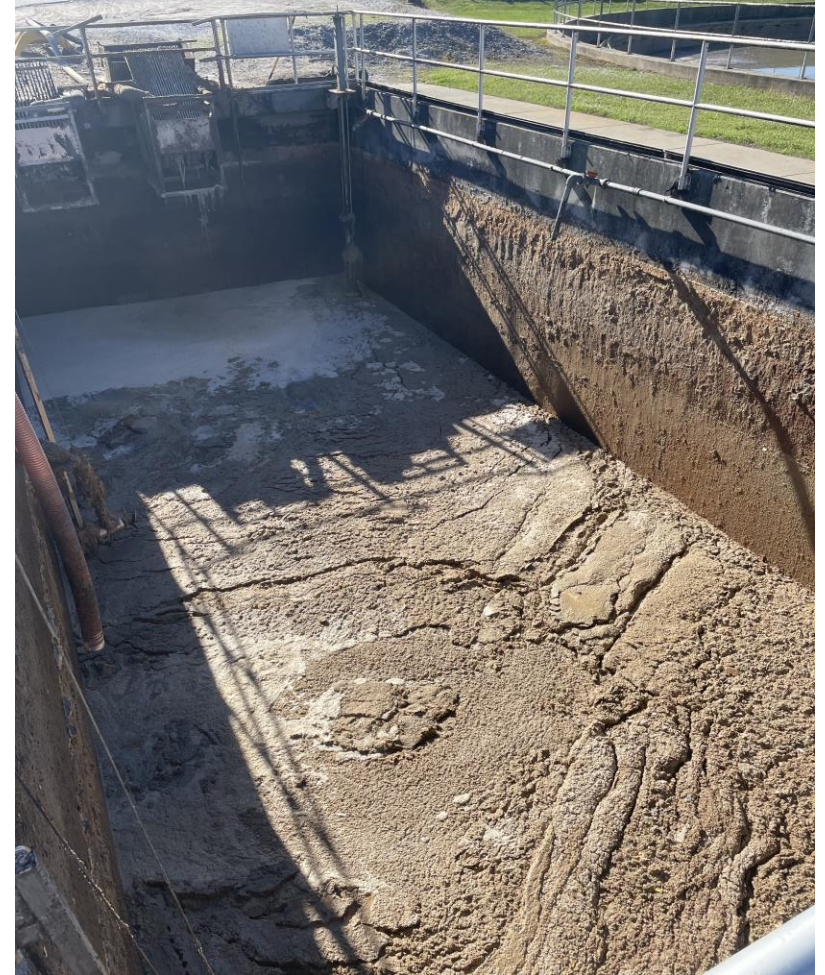
Batch Testing

- Use batch activity tests to assess if specific WRRF biomass can use beneficial waste
- The following tests will be used to assess degradability:
 - Specific oxygen uptake rate test (SOUR)
 - Specific denitrification rate testing (SDNR)
 - Phosphorus release and uptake testing



FOG Waste

- FOG from FSE's is hauled to ReWa's Mauldin Rd WRRF, discharged to a receiving pit and is pumped to our anaerobic digesters to increase methane production
- In 2025, 5,522,700 gallons of FOG waste was fed to the anaerobic digesters



Any Questions?

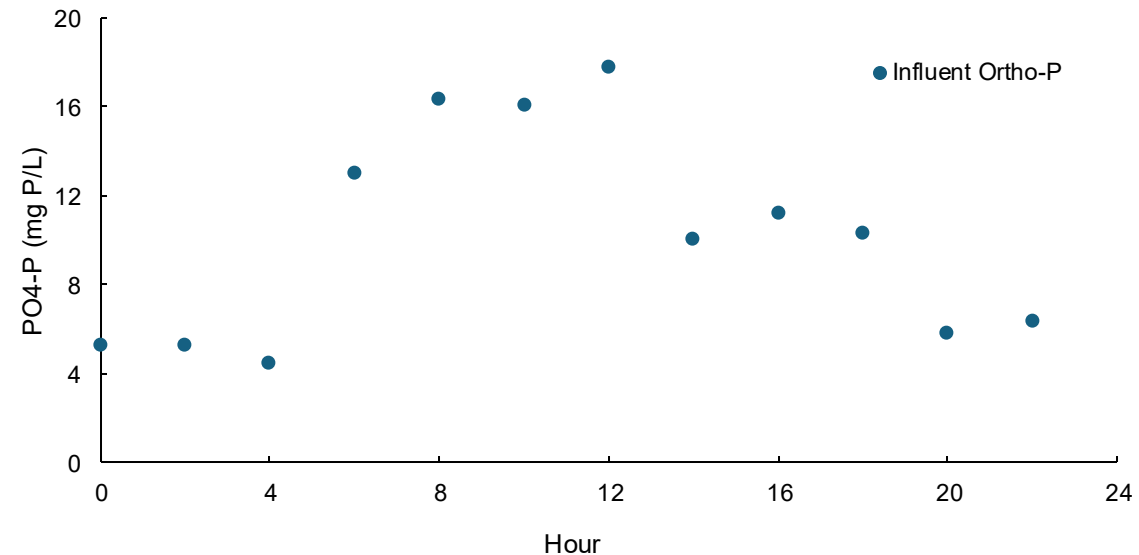


Bull Pin



Transitioning to Land Application of Cake

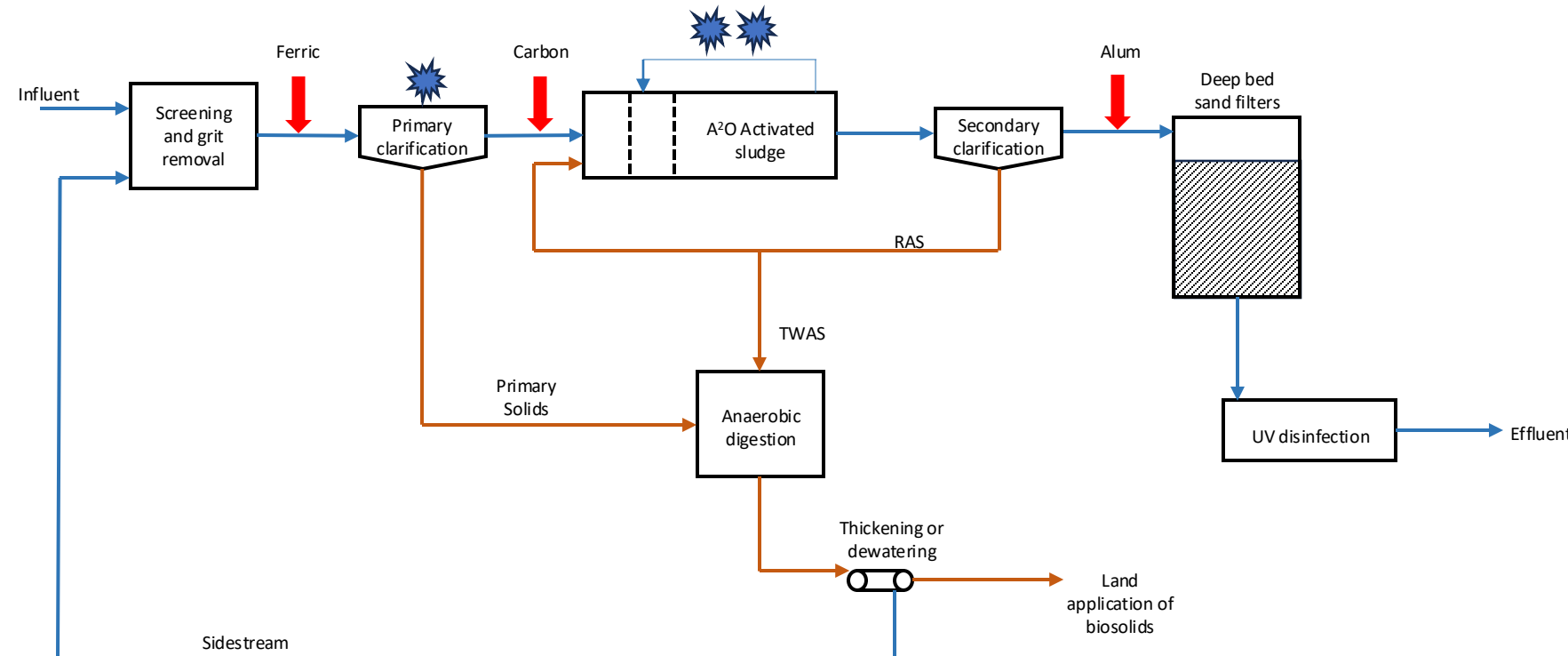
- Mauldin Road is currently transitioning from land application of liquid biosolids (3-4%) to cake land application (18-20%)
- This will significantly increase sidestream P loading
- Hazen and ReWa partnered to build a dynamic BioWin model to understand how loading will impact EBPR process
- Hazen will recommend best strategy to mitigate EBPR overloading risk
 - Centrate EQ
 - Centrate treatment
 - Do nothing



Mauldin Road: Future Optimization Projects

Future projects:

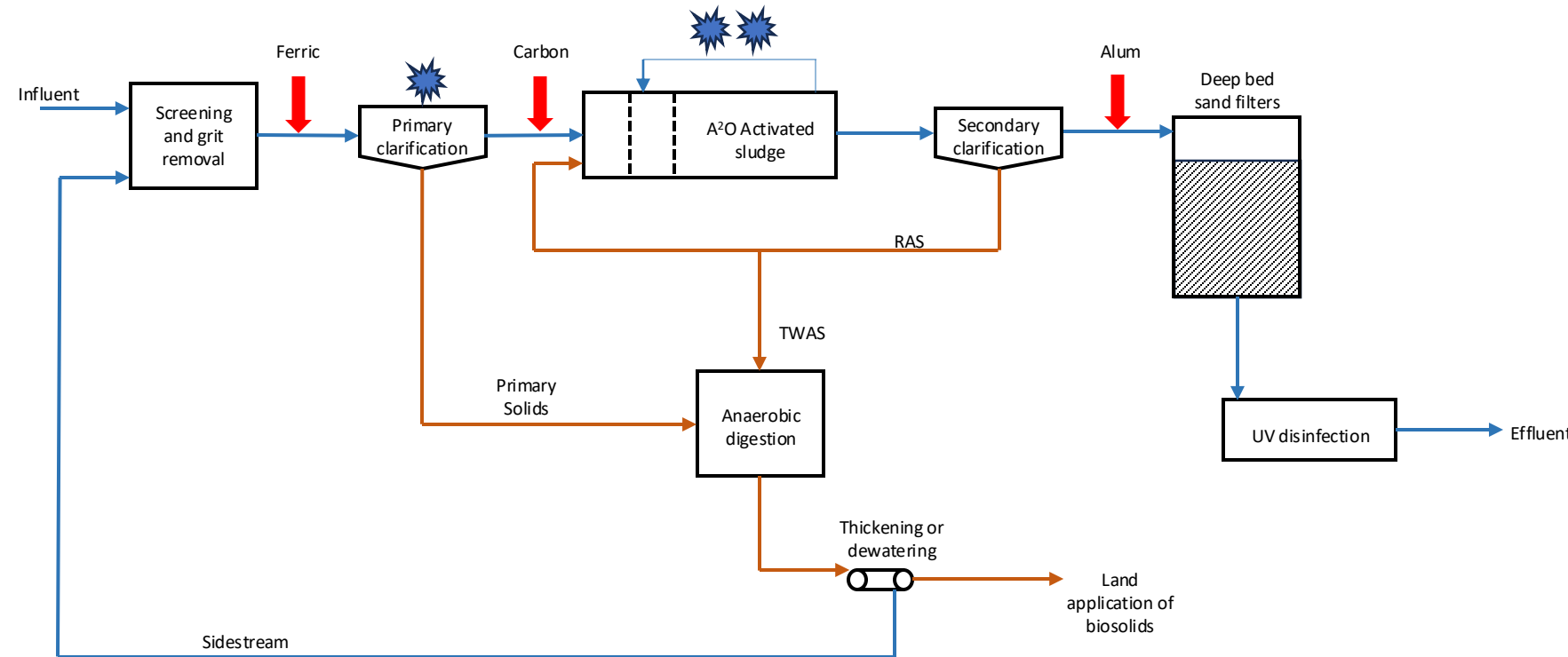
1. Develop process to trial beneficial wastes
2. Integrate solids fermentation into juice tank process (primary or WAS)
3. Optimize operation based on microbial study conducted by NC State



Mauldin Road: Optimization

Optimization projects:

1. Primary clarifier operation
2. Alum feed optimization
3. Juice tank CIP project

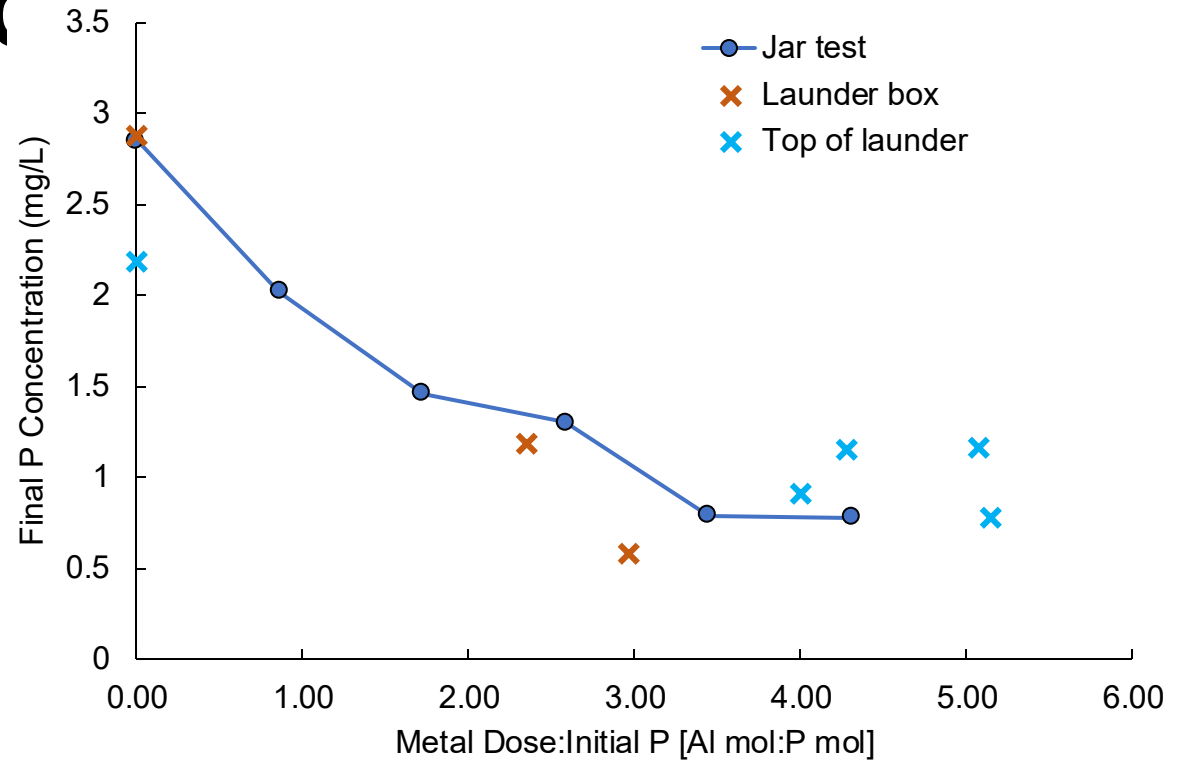
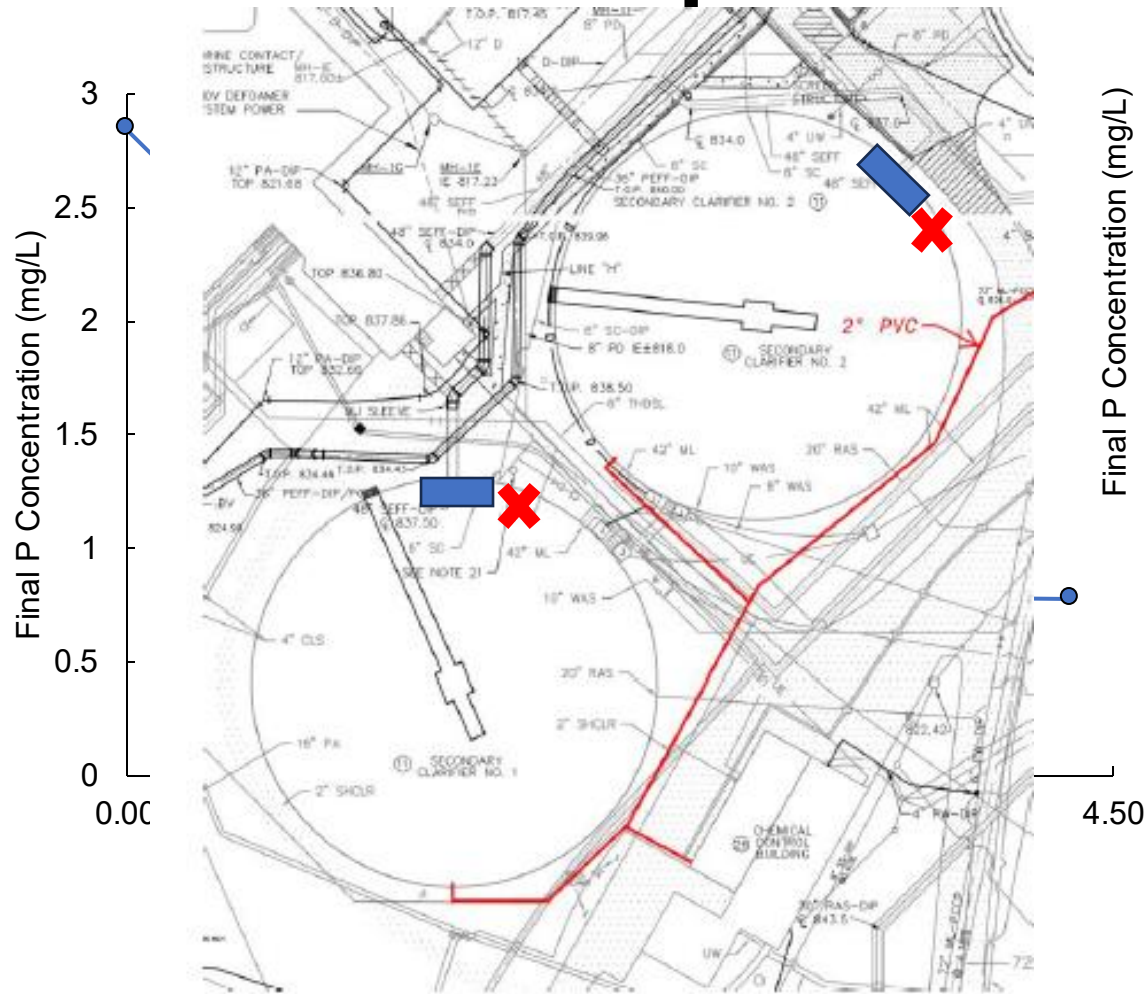


Primary Clarifier Operation

- Primary clarifiers remove settleable solids
- Operators can control solids residence time in the clarifier by altering the blanket depth
- Longer residence time improves fermentation and VFA generation
- Blanket depth shown to be correlated to EBPR performance
- Historical data analysis changed future clarifier operation



Alum feed optimization

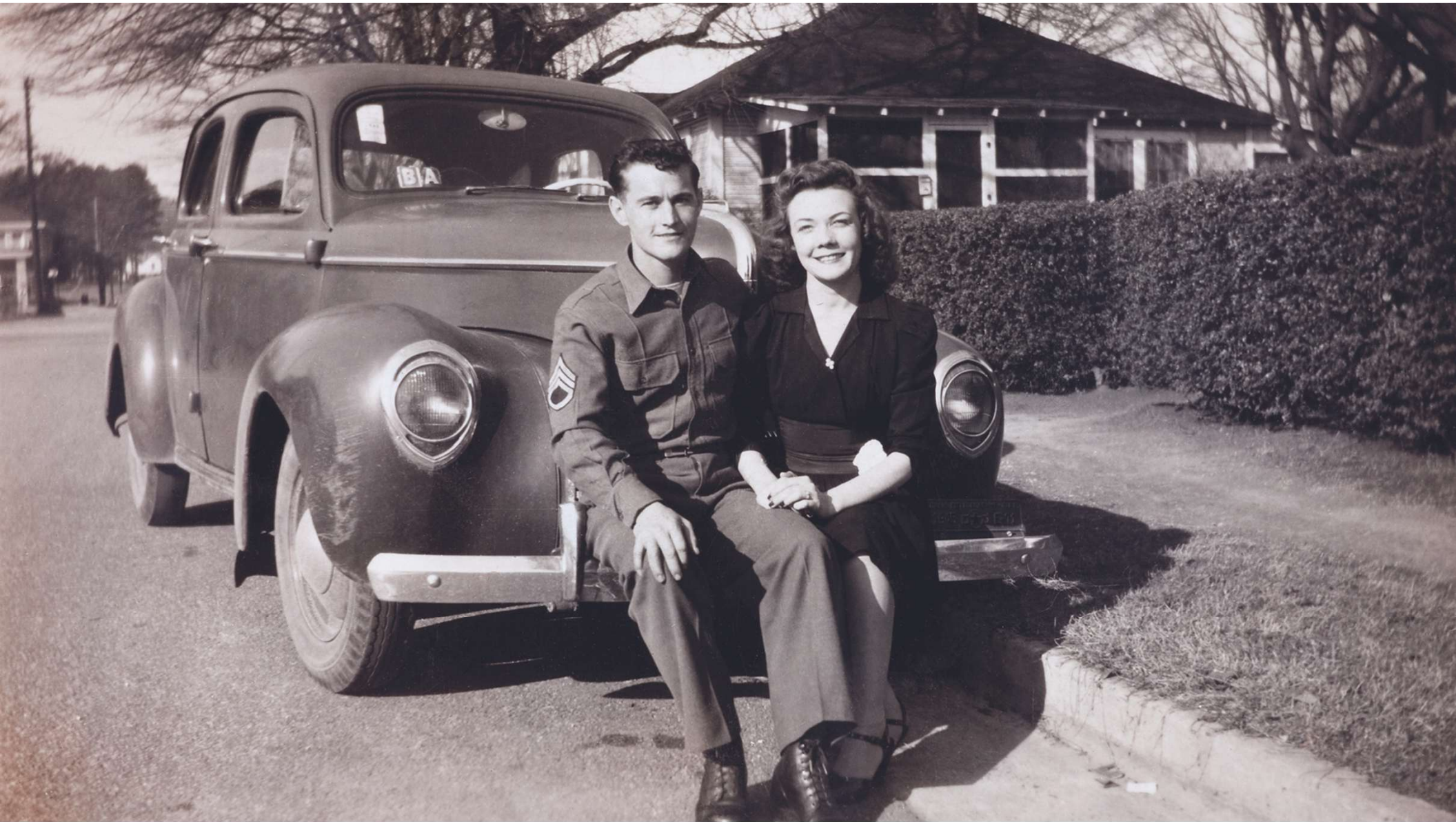




MILO'S®

Taylor Clark, Director of Public Affairs

Drew Mills, VP of Manufacturing







Our Growth Story



Site 1 - Bessemer, AL



Milo's opens first new-build facility in Bessemer, AL to expand tea production

2002

Site 4 - Spartanburg, SC



2025

Site 3 - Homewood, AL

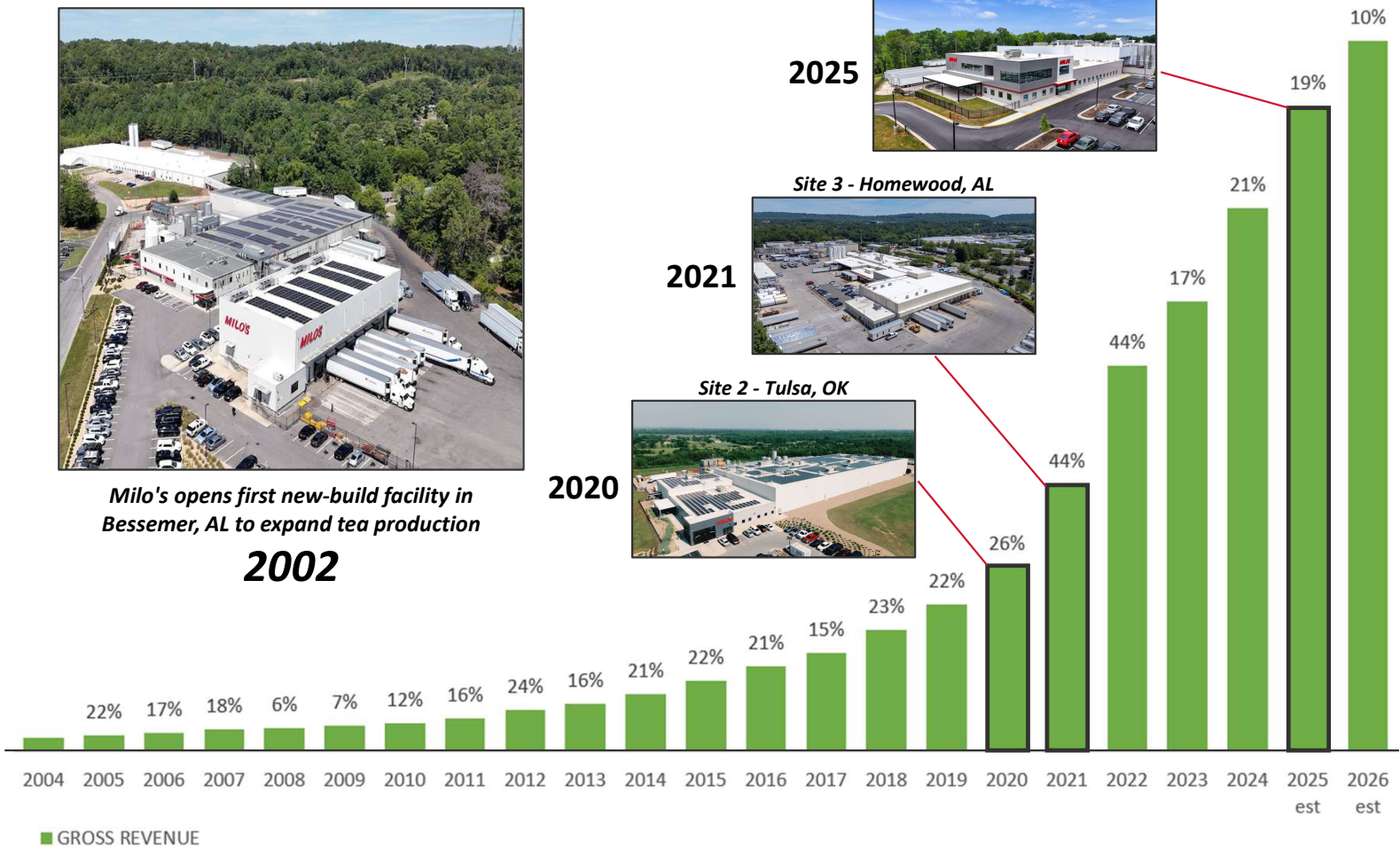


2021

Site 2 - Tulsa, OK



2020



■ GROSS REVENUE



Water. Tea. Sugar. No Water, no Milo's

Proactive, responsible water management in operations and external water resource protection is Milo's next sustainability opportunity to mitigate growth risks and ensure business continuity for generations.



Using Frameworks for Scalable Water Stewardship

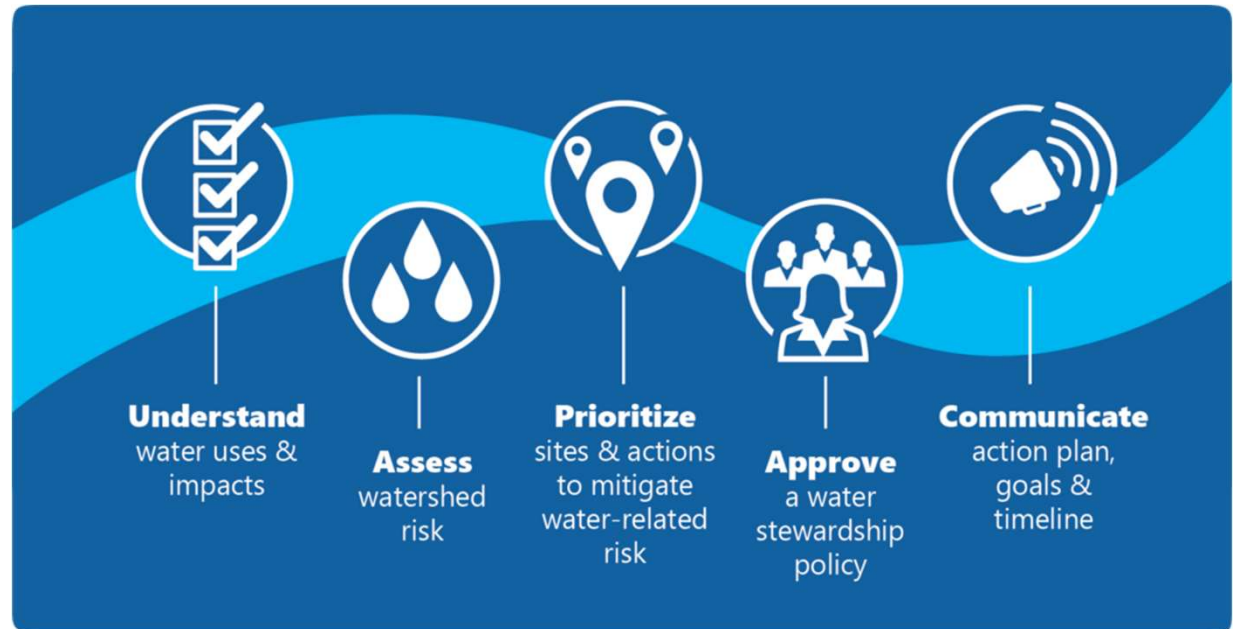


What is WAVE?

WAVE is a certification framework from The Water Council that will assess Milo's water risk and provide guardrails needed to scale water stewardship alongside our business growth.



Water Advisory Council Kick Off Jan 2024



June 2024 – April 2025

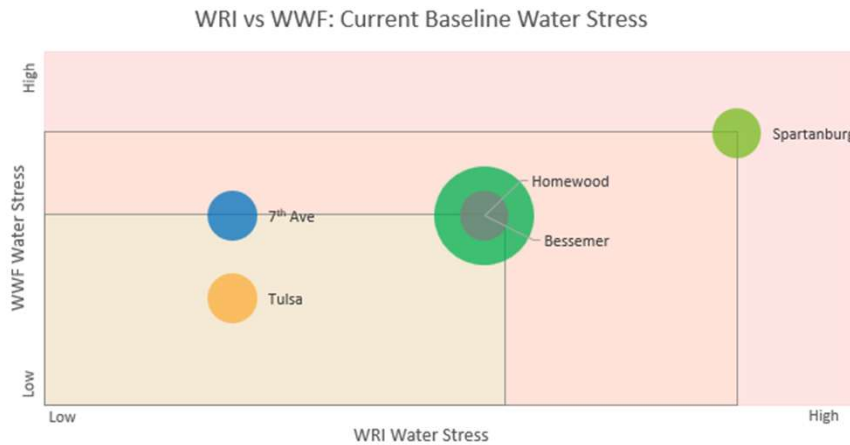
April 2025

May 2025

June 2025

Summer 2025

Evaluating and Prioritizing Water Use and Risk



Our Unique Approach

2-Framework Risk Assessment

Site risk evaluation looking at quality, quantity, and regulations to clarify opportunities and prioritize action.

Milo's Prioritization Matrix

Identified needs including foundational work, external relations, operational improvements were weighted based on criteria for prioritization.

Project Criteria Definitions			
Rating -->	0-1	2-3	4
Watershed Risk	Average watershed risk score of 0-2	Average watershed risk score of 2-3	Average watershed risk score of 3-5
Capacity	Little to no personnel capacity	Some personnel capacity	High personnel capacity
Non-profit Presence	Weak or no relationships w/ local environmental non-profits	Few or short-tenure relationships w/ non-profits	Strong or long-tenure relationships w/ local environmental non-profit
Impact/Value	Little to no impact/value	Some impact/value	High impact/value

Building a Water Stewardship Roadmap



1

Benchmark

Evaluate peer practices

2

Prioritize

Identify high impact practices

3

Pilot

Pilot and validate water saving projects

4

Scale

Expand viable solutions across enterprise

Under Evaluation

- Improved measurement and monitoring of water use
- Leak detection improvements
- Opportunities for water recovery in operations
- Process optimization during change-overs and cleaning

Milo's Unique Water Stewardship Journey



Internal alignment is achieved through clear roadmap development



External partnerships are critical for credibility, capacity building



Successful cross-collaboration is iterative, ongoing, and a feedback loop



From Compliance to Collaboration: A Sweeter Model



Transactional Procurement and Compliance

- Service and compliance interactions
- Short-term focus
- Minimal alignment on community priorities



Collaborative Problem Solving

- Shared stewardship of local resources
- Joint planning for long-term resilience
- Open dialogue and innovation
- Economic and environmental value for all



*Woodruff Roebuck Water District
Milo's Spartanburg Plant Tour*



*Spartanburg Water
Lake Blalock Nature Trail Ribbon Cutting*

Brewed like you do, SO YOU DON'T HAVE TO.™

Taylor Clark, Director of Public Affairs
tclark@drinkmilos.com

Drew Mills, VP of Manufacturing
dmills@drinkmilos.com





SUSTAIN  **SC**
commerce + conservation

Re-Wa Circular Water Economy Initiatives UMC Study Tour

March 23, 2026
Re-Wa, Greenville, SC

What is sustainability?

Ensuring a future for both our **economy** and our **environment** by working together across sectors to optimize **land** and **water** use



Our Purpose

Why we exist

To build and grow a more **sustainable future** for South Carolina at the intersection of **commerce** and **conservation**

Our Mission

What we do

Connect the sustainability goals of business in South Carolina with local solutions for the benefit of our **economy, environment, and people**



Our Values

Purpose-Driven Leadership

We value **doing good** and **doing it well**.

Stewardship

We value and care for our state's resources – our **economy, environment** and **people**.

Collaboration

We value **working together** with different sectors and industries in a **non-partisan** way.

Integrity

We value acting with **trust, credibility, and accountability**.

Respect

We value each other's **opinions** and **views**, even when we may not agree.

STRATEGIC FRAMEWORK



Expanding our Economy

Economic Development and Recruitment



Growth + Retention

Supporting SC Organizations



Municipal Support + Land Use Planning



Outreach and Education

Trends and Data for Decision Makers





Expanding Our Economy

Economic Development and Recruitment

Sustainability Matters for SC's Economic Growth

REGULATORY PRESSURES:

- **Germany and Sweden:** Legally binding net zero targets for 2045
- **UK, Canada, and Japan** have a 2050 net zero requirement

Source: Study on South Carolina Sustainability Habits and commercial attitudes; SC Chamber of Commerce, 2025

90%

Of executives believe sustainability is important

85%

Of investors considered sustainability factors in their investments

86%

Of companies announced by SCDOC in 2025 have publicly available sustainability goals



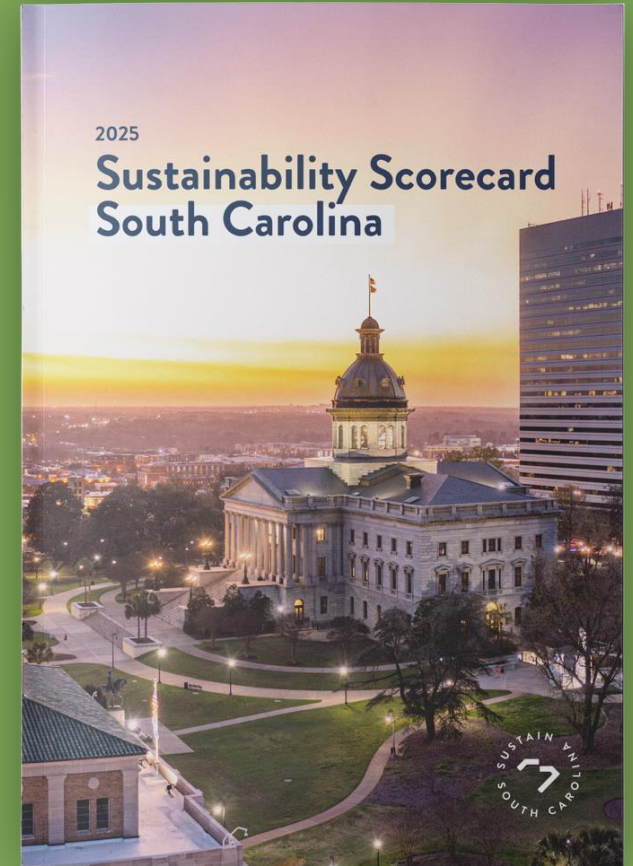
In today's competitive landscape, sustainability is more than a value-add, it's a business imperative.

The following highlights from Sustain SC's *2025 South Carolina Sustainability Scorecard* show how South Carolina's strengths in **energy, circularity, water** and **conservation** can help companies meet make progress on their sustainability goals and comply with regulatory requirements—while remaining competitive, resilient and positioned for long-term growth.



View the full report at
SUSTAINSOUTHCAROLINA.ORG/SCORECARD

or scan the QR code to the left.



SPONSORED BY



South Carolina Scorecard At-a-Glance

86%

of companies announced by the SC Dept. of Commerce in 2025* have publicly available sustainability goals, as compared to 78% in 2024 and 65% in 2023.



*Companies announced by the SC Dept. of Commerce as of October, 2025

80%

of the largest corporate employers* in SC have published a sustainability report in the last two years

*Largest corporate employers in SC defined as: companies that employ 1000+ employees

60.5%

of SC energy generated is derived from clean energy sources

18.5%

of South Carolina's Land is protected totaling **3.4 million acres.**

\$6.63

Billion of Capital Investment in the SC Recycling Industry since 2021

21.2%

2024 SC Recycling Rate



591B

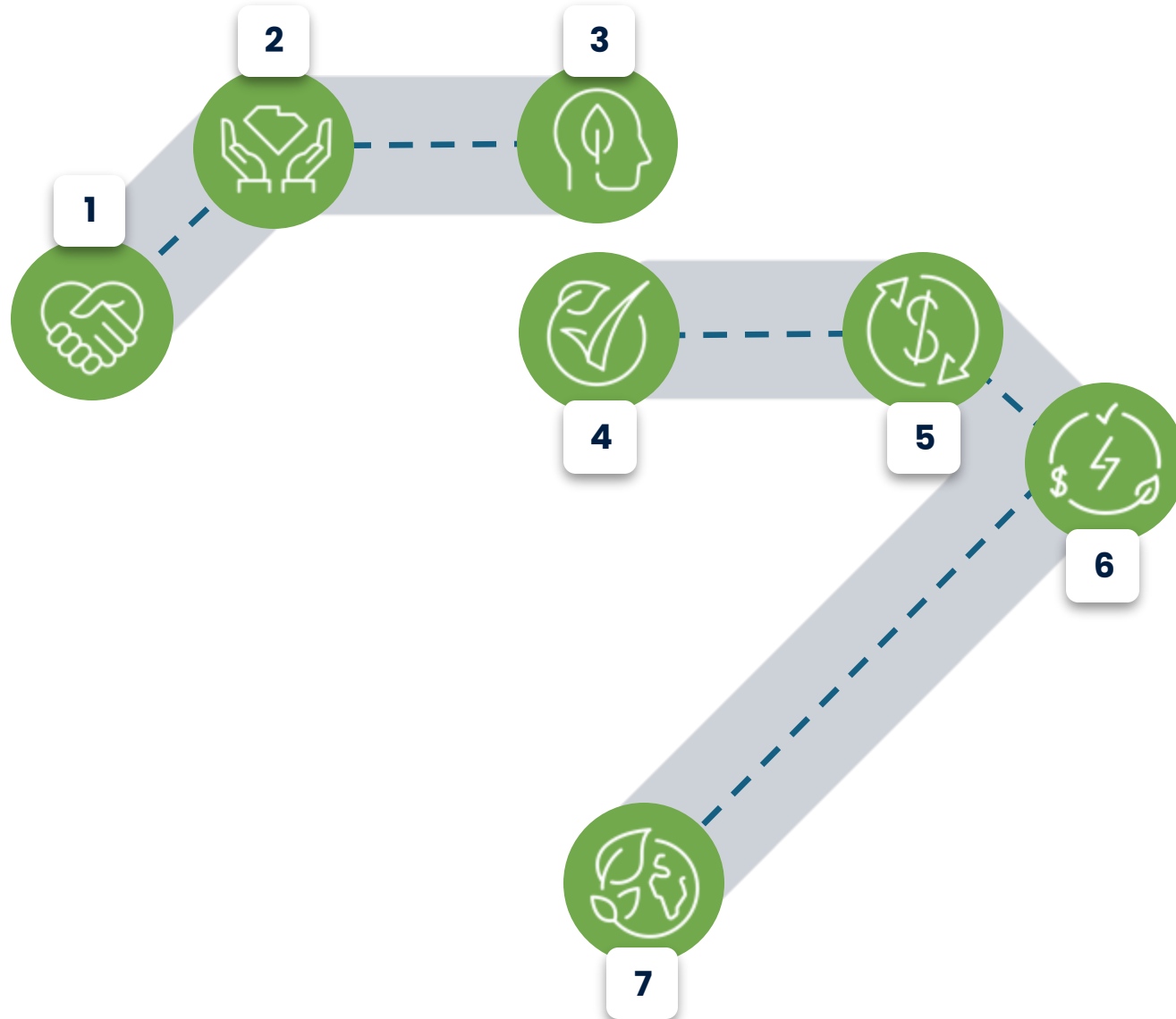
Gallons of water used in South Carolina annually



Growth + Retention

Supporting SC Organizations

THE ROADMAP TO SUSTAIN SOUTH CAROLINA



1. **Strategic Partnerships**
2. **Resilience + Conservation**
3. **Sustainable Workforce**
4. **Innovation + Sustainable Growth**
5. **Circular Economy**
6. **Affordable, Reliable + Sustainable Energy**
7. **Metrics + Reporting**



Strategic Partnerships

We convene individuals from the private and public sector to include companies, conservation groups, energy, forestry and agriculture at the intersection of commerce and conservation

STRATEGIC ACTIONS:

- Sustainable Leadership Initiative with Furman University
- University Partnerships
- Business to Student Networking (B2SN) Events
- Member Network

MEMBERSHIP

Sustainability Member Network

Access Statewide Relationships + Connections



STRATEGIC PARTNERSHIPS

Sustainability Leadership Initiative

The Sustainability Leadership Initiative (SLI) is an innovative leadership development program that uses cross-boundary dialogue, field sessions, and experiential learning to enhance skills and equip fellows to enact positive change in their organizations and communities.



Program Objectives

Networking

Create a strong, cross-sector network of sustainability leaders to serve South Carolina.

Sustainability

Explore and understand complex sustainability systems from multiple perspectives (commerce and conservation) and identify levers for systems change.

Leadership

Build and enhance the leadership skills needed to enact positive change.





Resilience + Conservation

We work with companies and partner with conservation organizations and state agencies to protect and preserve South Carolina's natural resources—fostering a resilient future for our state.

STRATEGIC ACTIONS:

- Land and Water Action Platform
- Sustainable Water Management
- Biodiversity
- Workforce

Sustainable Water Management

- In 2025, Sustain SC members came together to start a conversation about what a collective vision will look like as South Carolina rapidly grows.
- In 2026, we will expand this conversation through a regional roundtable series to address how our water quality and quantity can be abundant going into the future.



RESILIENCE + CONSERVATION



Land and Water Action Platform

2025 BY THE NUMBERS



07

Organizations

11

Counties

12

Projects

13,305

Acres

\$93,200

Awarded in round 1

\$150,707

Awarded in round 2





Municipal Support + Land Use Planning

Growth is **inevitable**.
Sustainable growth is **imperative**.





Outreach + Education

Trends and Data for Decision Makers

CONSERVATION SUPPORT

Conservative Voters Continue Strong Support for Conservation

In a statewide poll, republican primary voters express significant support for conservation and resilience efforts across South Carolina

88.6%

Support General Assembly investment in disaster protection and flood-mitigation land conservation

81.4%

Support balancing water use between economic and recreation needs

84.7%

Say conserving land and water is essential to a sustainable economy and environment

93.1%

Believe public lands should be protected and accessible for future generations

South Carolina GOP Voters Overwhelmingly Support Clean Energy Projects

A statewide poll of 500 GOP voters revealed that Republican and conservative Independent voters in SC strongly support clean energy projects, recognizing their benefits and favoring continued investment.

72.9%

Respondents support SC adding + using more renewable energy resources

73%

Strongly support modernizing, improving + securing the electrical grid + related infrastructure

78%

Respondents believe these actions have a positive impact on South Carolina

THANK YOU!

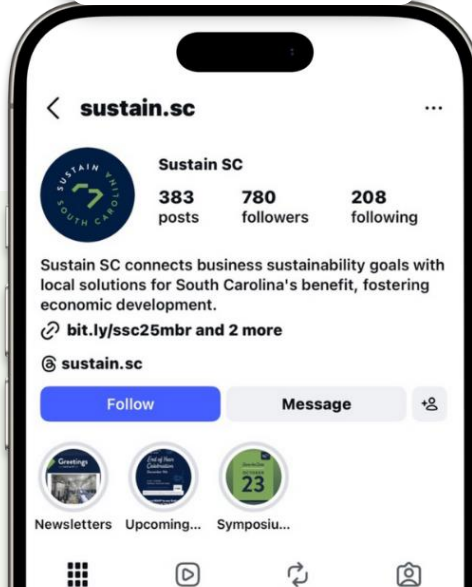
Join our Network and Stay Up to Date with Sustain SC!



@SustainSouthCarolina



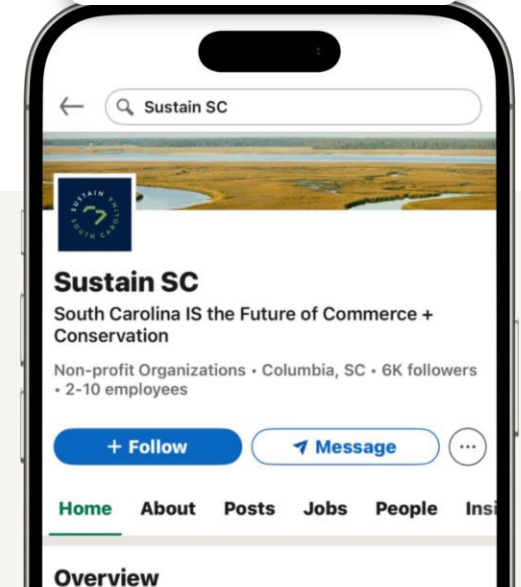
@sustain.sc



@_Sustain_SC



in/sustainsc



commerce + conservation

together.

SUSTAIN  SC





Natural Resources Programs

March 2026



NATURAL RESOURCE CONSERVATION AT REWA



108 ACRES OF WETLANDS

ReWa properties contain over 100 acres of wetlands where we are working to enhance and protect habitat for wildlife



1.98 MILES OF NATURE TRAILS

We encourage the public to visit the Prisma Health Swamp Rabbit Trail and ReWa Clean Water Connector Loop on our Mauldin Road Innovation Campus



21 BIRD BOXES

We've installed and maintained nesting boxes on our Mauldin Road Innovation Campus to provide habitat for local bird populations, including Prothonotary Warblers, Screech Owls, and Wood Ducks



1,000 MILLION GALLONS OF RECYCLED WATER USED

As part of our commitment to water conservation, we reuse an average of 1,000 MG of water annually at our facilities



OVER 90,000 LBS OF RECYCLED OYSTER SHELL

Working with SC DNR, we assisted in returning 97,360 pounds of oyster shell to SC's coastline and estuaries in 2025



OVER 4,000 LBS OF TRASH REMOVED

In 2025, we removed over 4,600 pounds of litter to reduce the pollution burden in our watersheds



42.6 MILLION GALLONS OF CLEAN WATER RETURNED EACH DAY

We return an average of 17 MG of water back to the Broad River Basin and 27 MG back to the Saluda River Basin each day

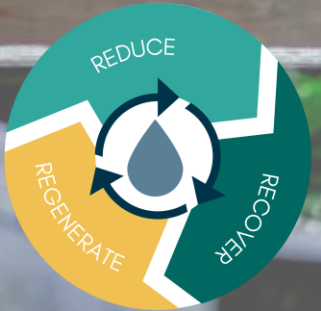
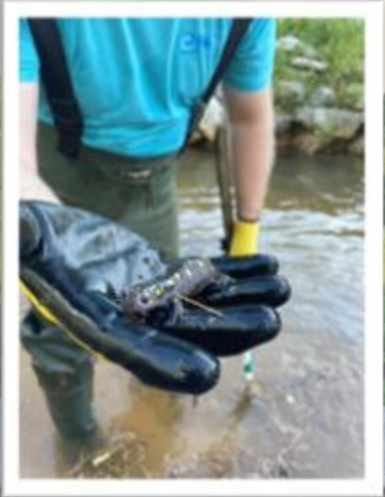


48.6 MILLION GALLONS OF BIOSOLIDS DISTRIBUTED

In 2025, our biosolids program land applied 48,608,000 gallons to farms around the state providing reuse of nutrients



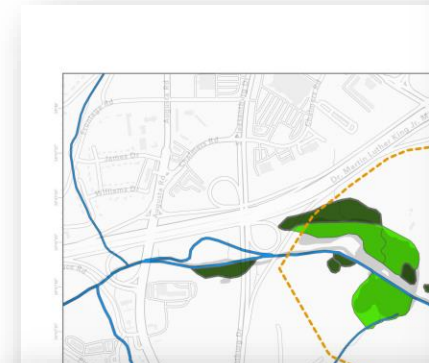
Watershed & Natural Resources Program



NATURAL RESOURCES PLANNING

Addressing **“REDUCE”** and **“REGENERATE”** aspects of the Circular Water Economy through:

- Planning & GIS
- Protecting & monitoring key habitats like wetlands & riparian buffers
- Supporting biodiversity through habitat enhancement, invasive species management, native plantings





WAIT at ReWa

Wildlife & Industry Together through SC Wildlife Federation



- Employee education
- Habitat enhancements: nesting boxes for birds of prey, songbirds, waterfowl
- Native plantings
- Public trails
- Litter mitigation
- Collaboration with other industries



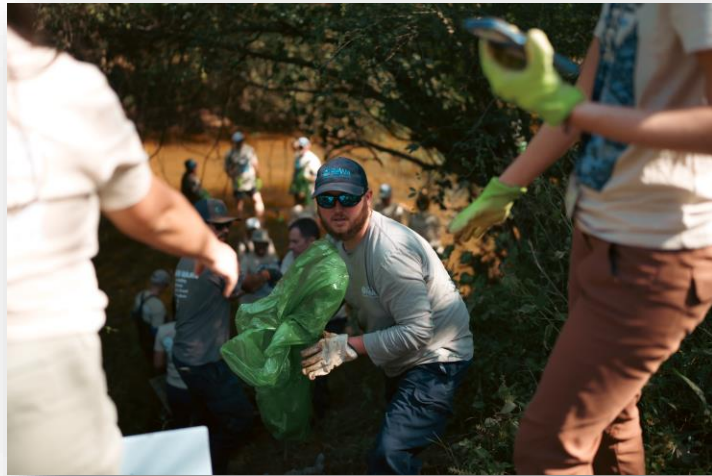


WAIT at ReWa: Litter Mitigation

REDUCE pollutants that degrade water quality in the Reedy River Watershed

ReWa has been participating in river cleanups since the 90s

Since 2022, ReWa has removed over 10,000 lbs of litter from the Reedy, Brushy, and adjacent wetlands and streambanks



ReWa
renewable water resources

WETLANDS & WILDLIFE

HIGHLIGHTED SPECIES

Welcome to the wetlands along the Reedy River!

WHAT ARE WETLANDS?

Wetlands are special ecosystems where water covers or soaks the land for all or part of the year. They are home to unique plants, animals, and soils that thrive in the watery environment.

WHY ARE WETLANDS IMPORTANT?

Wetlands provide food, shelter, and breeding grounds for many kinds of wildlife. They help control flooding by soaking up excess rainwater like a sponge. Wetlands also act as natural filters, trapping dirt, chemicals, and pollution to keep our rivers, lakes, and streams cleaner.



RED-SHOULDERED HAWK (*Buteo lineatus*):

This bird of prey hunts many creatures of the wetland including frogs, snakes, and rodents, helping to balance the ecosystem. Listen for its sharp "kee-ahh" call.



SPATTERDOCK (*Nuphar advena*):

This aquatic plant has floating leaves, bright yellow flowers, and roots that anchor in the mud. Its leaves shelter fish and frogs, while its blooms attract pollinators.



GREAT BLUE HERON (*Ardea herodias*):

This tall, graceful bird wades through wetlands, hunting fish and frogs with slow, deliberate steps. It is a symbol of wetland beauty.



BELTED KINGFISHER (*Megaceryle alcyon*):

With its shaggy crest and sharp eyes, this fish-eating bird patrols wetlands, diving swiftly to catch its prey.



WETLAND SOILS:

Wetland soils, or hydric soils, are waterlogged and rich in nutrients, creating ideal conditions for wetland plants and animals. Notice a funny smell? The "rotten egg" odor of hydrogen sulfide (H₂S) signals that bacteria are breaking down organic material, helping to maintain a healthy ecosystem.



SCORE (SC Oyster Recycling & Enhancement)

A community-based habitat restoration and monitoring program

- Began partnering with ReWa in 2017
- Over the last 2 years, we've recycled over 175,000 lbs of shells, diverting them from landfills, allowing them to be deployed in our estuaries



Benefits of oyster reefs **(RECOVER!)**



- Provide essential habitat for a diversity of species
- Help filter water controlling algae and improving water clarity
- Serve as erosion barriers, reducing wave energy and trapping sediment



Roast, Recycle, Reef, Repeat



Thank You!

Haley Denison

**Watershed & Natural
Resources Specialist**

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From Parcel to Possibility: Property Evaluation Approach

Julie Dacus: Business Services Director

March 23rd, 2026

Property Evaluation Approach

ReWa Property Portfolio

- Why Evaluation Matters

Property Inventory Foundation

- People, Process, and Technology

Integrating Property Data with Asset Management

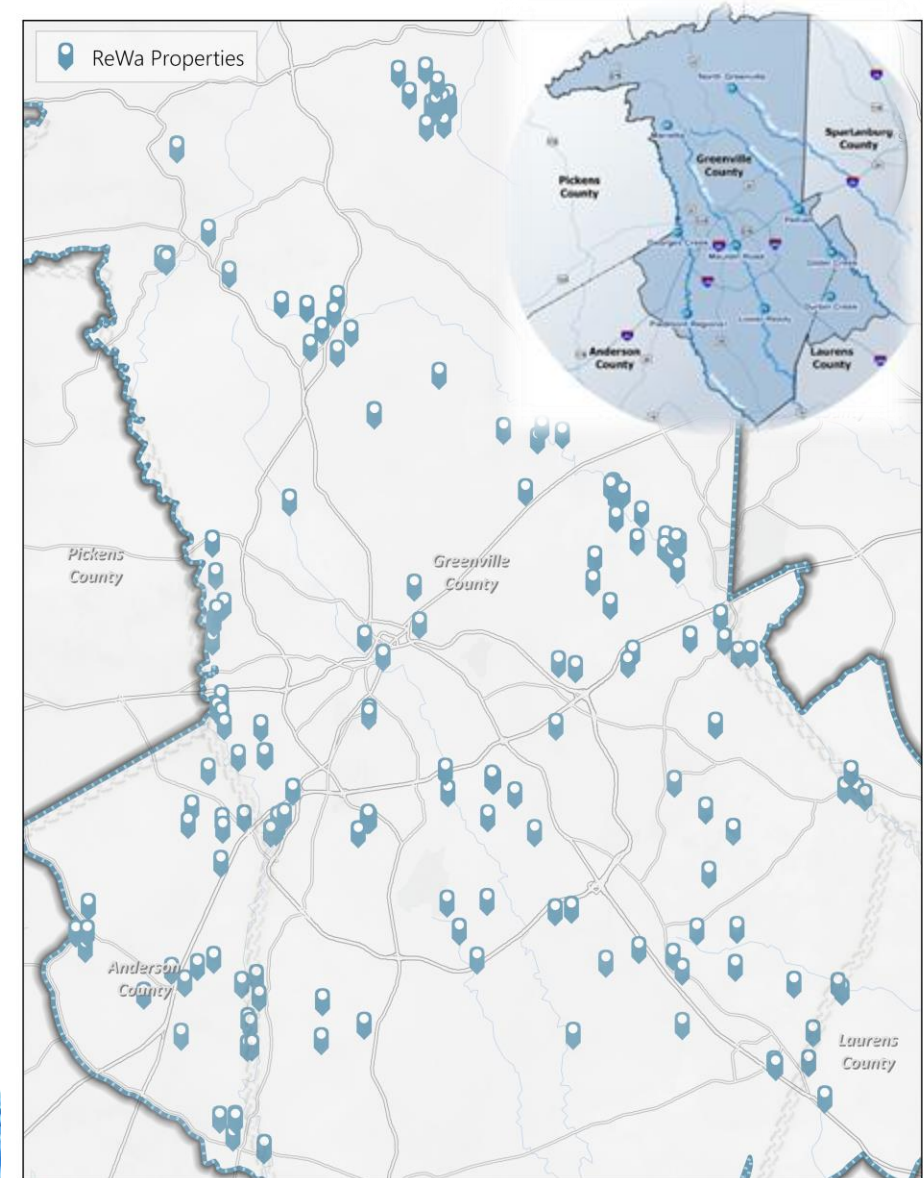
- Operationalizing Property Data

Lessons Learned

- Scalable Program

Looking Ahead

- Property Program Maturity



Property Portfolio – Why Evaluation Matters



Evaluation Process & Technology

2021 – 2023 Building greater property visibility for strategic management

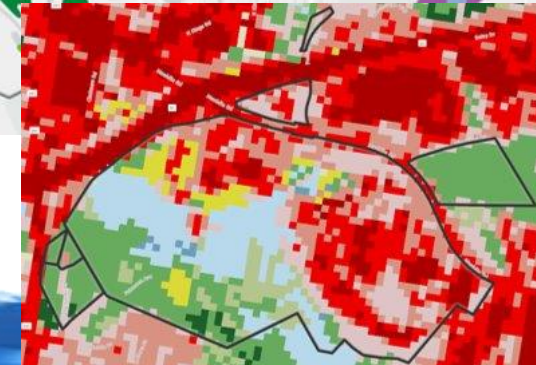
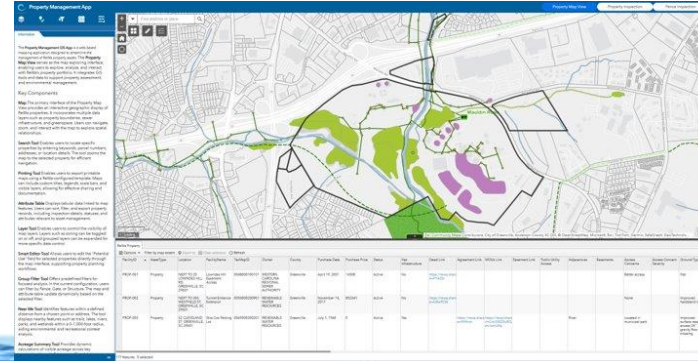


Established GIS property asset inventory – integrating parcel boundaries, ownership/acquisition records, environmental constraints (floodplain & wetlands), greenspace, and county parks & trails

Facilities Management Coordinator On-boarded
Licensed Realtor
Mechanical & Security System Experience
Tracking Property Performance

Acreage by status and utilization types
WRRF property buffer alerts – one mile perimeter
Quick win building lease listings
Agreement retention alerts

GIS Web Map Visualization
Internal collaboration to verify
data & resolve inconsistencies



Integrating Property Data with AM

2024 – 2025 system workflow support for property asset life-cycle



Enhanced Property Intelligence

Identified adjacencies, access constraints, and viable uses

Digitized and Integrated Property Records into GIS

Linked Deeds, MOUs, IGAs, Easements to Parcels

Facilities Technician On-boarded

Established Cityworks Condition Assessments

Infrastructure checks (structures, fencing & signage)

Safety observations (trespassing & illegal dumping)

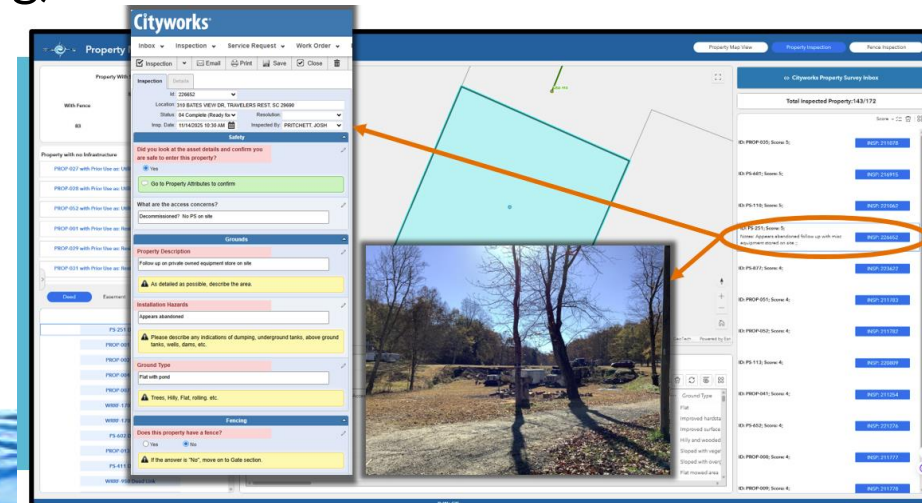
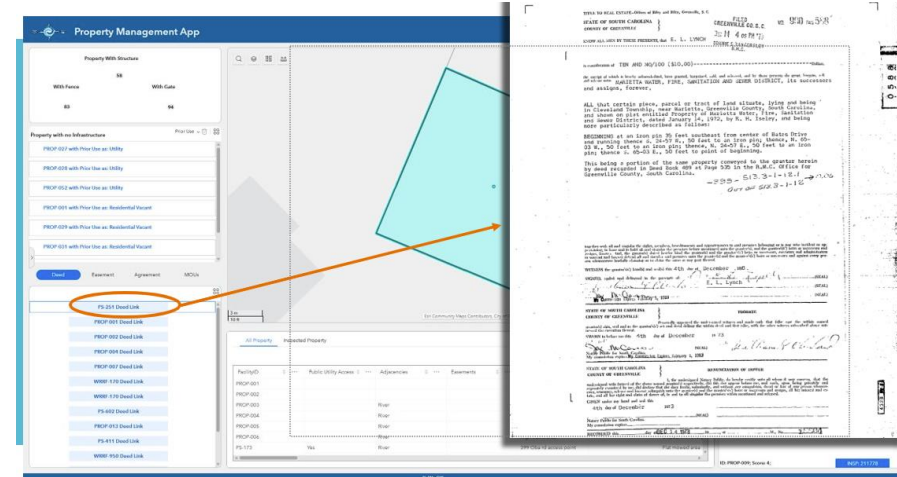
Routine Inspections and Work Order Tracking

Strengthened Level of Service

Informed Life-cycle cost planning

Real-time Insights with Esri XBLDR Dashboard

Aligned Property to RI Funding - Surplus & Future-use decisions



Lessons Learned

Strategy & Alignment

- Engage stakeholders to identify quick wins
- Align cross-department processes with system capabilities to improve efficiency and consistency



Data & Systems Foundation

- Standardize property data and unify GIS, CMMS, field apps, and document management



Operational Execution

- Conduct routine inspections and track work orders to support lifecycle costing and risk-informed decisions



Planning & Sustainability

- Align property reviews with funding priorities and future use
- Dedicate resources and scalable processes for program growth

Looking Ahead

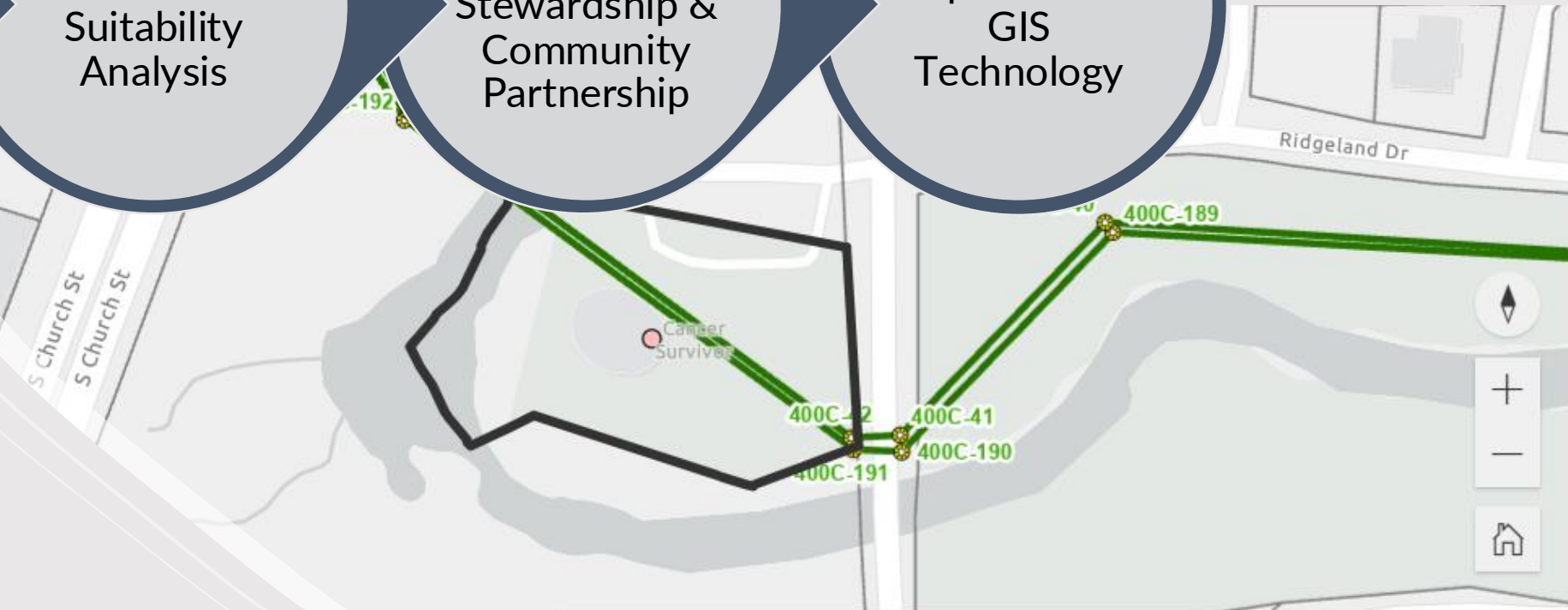
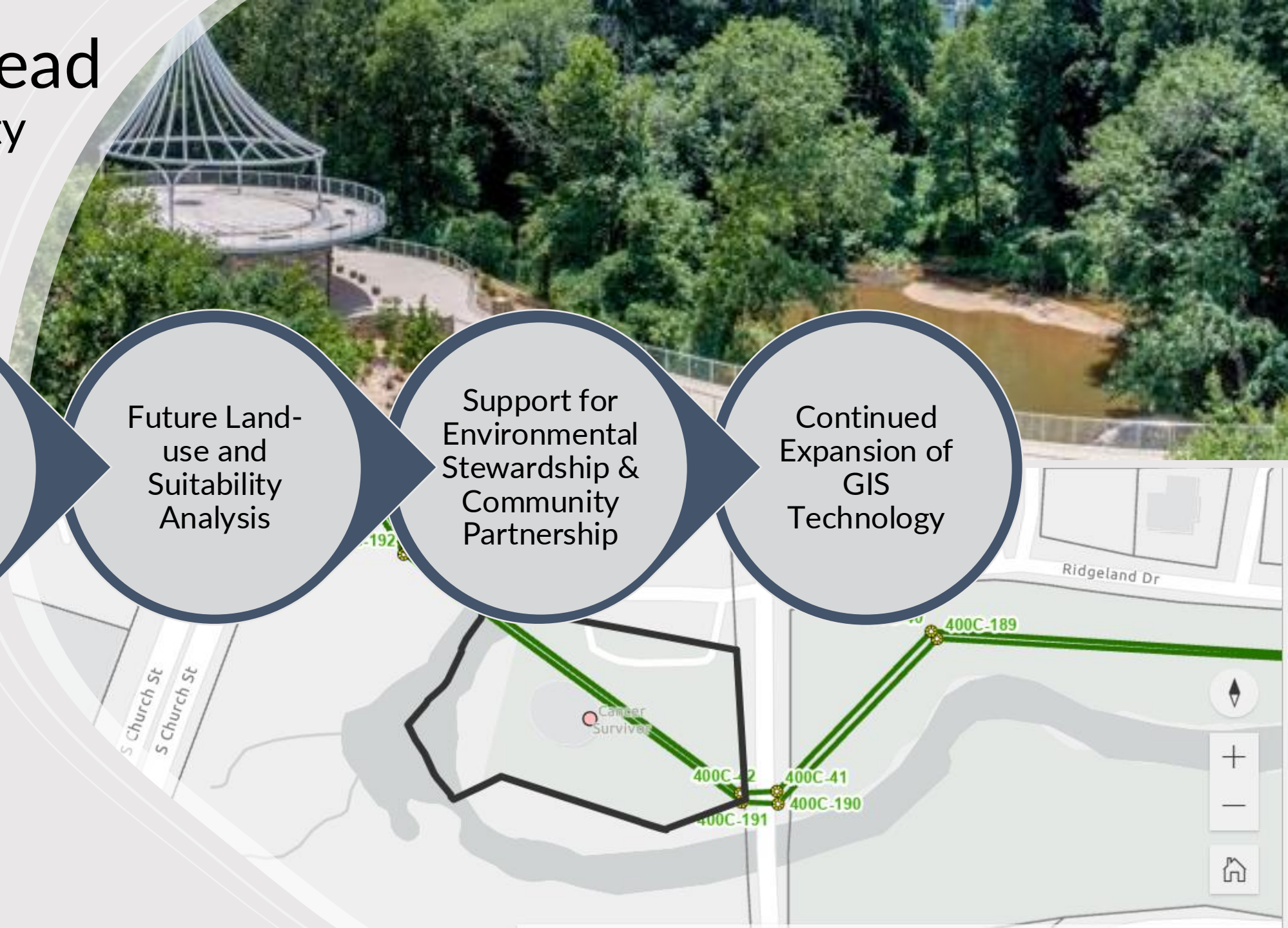
Program Maturity

Environmental
and Habitat
Assessment
Integration
Ongoing

Future Land-
use and
Suitability
Analysis

Support for
Environmental
Stewardship &
Community
Partnership

Continued
Expansion of
GIS
Technology



Questions?



Julie Dacus

Business Services Director

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THANK YOU!



A GIS-DRIVEN APPROACH TO PROPERTY MANAGEMENT AND ENVIRONMENTAL STEWARDSHIP

JUN XIAO | ARCUSER | WINTER 2026

TO ADDRESS GROWING OPERATIONS, RENEWABLE WATER RESOURCES NEEDED TO DEVELOP A NEW COMPREHENSIVE PROPERTY INVENTORY.

[CONTINUE READING](#) →



Solar and Sheep Grazing

Jennifer Simmons

March 23, 2026

Solar Installations

- ❖ Durbin Creek
- ❖ Georges Creek
- ❖ Piedmont Regional
- ❖ Mauldin Road



Informational Data

Off Set

Note: Offset amounts calculated using Duke Energy rates.

21,303

YTD Offset (\$)

1,511,501

Lifetime Offset Total

Daily Offset

Sample Date	Durbin	Georges	Mauldin Road	Piedmont
3/18/2026	148.52	97.04	0.00	222.09
3/17/2026	174.86	16.01	0.00	270.00
3/16/2026	19.36	26.91	0.00	33.50
3/15/2026	48.32	67.53	0.00	67.45
3/14/2026	109.91	92.22	0.00	176.71
3/13/2026	165.78	73.51	0.00	255.42
3/12/2026	108.45	77.82	0.00	178.55

Energy Production

408,548

YTD Production (kWh)

27,688,849

Lifetime Energy Production (kWh)

Daily Production

Sample Date	Durbin	Georges	Mauldin Road	Piedmont
3/18/2026	2,403.00	1,282.14	5.05	3,549.27
3/17/2026	2,982.00	1,735.62	5.05	4,626.66
3/16/2026	356.00	314.41	5.05	643.35
3/15/2026	1,131.00	630.41	5.05	1,579.52
3/14/2026	2,574.00	1,581.97	5.05	4,139.02
3/13/2026	2,809.00	1,653.68	5.05	4,374.58
3/12/2026	2,114.00	1,432.51	5.05	3,447.70

Co2 Saved

Durbin Creek

2,048

Lifetime Tons

Georges Creek

1,806

Lifetime Tons

Mauldin Road

2,640

Lifetime Tons

Piedmont Regional

2,755

Lifetime Tons

Miles by Car Saved

Durbin Creek

4,644,813

Lifetime Miles

Georges Creek

4,095,036

Lifetime Miles

Mauldin Road

5,986,542

Lifetime Miles

Piedmont Regional

6,248,325

Lifetime Miles



Hurricane Helene

- Our largest solar array, capable of producing 1 MW was heavily damaged during Hurricane Helene in 2024.
- We are currently repairing damages and improving the resiliency of the solar array and are on schedule to be complete in late spring.



The Future of Solar at ReWa

- Evaluate feasibility of solar and battery storage at critical WRRF's and high energy Pump Stations.
- Enable **islanding capability** to maintain operations during grid disruptions.
- Strengthen resilience against extreme weather and grid instability.

The future of solar at ReWa is not just generation—it's resilience, independence, and the foundation for a smarter, more reliable system.



Sheep Grazing for Carbon Reduction

- ReWa grazes sheep at 3 of it's 4 solar farms.
- They were selected specifically to be parasite resistant and low maintenance.



Carbon Impact (Per Acre / Year)

Avoided Mowing: 100–300 lbs CO₂



Avoided Herbicides: 20–80 lbs CO₂



Soil Sequestration: 200–1,100 lbs CO₂



Sheep Emissions: (50–150 lbs CO₂)



Net Impact: 300–1,200 lbs CO₂ (0.15–0.6 metric tons)

Utility-Scale Application

- 10-acre solar site
- 3–12 metric tons CO₂ offset annually
- Equivalent to removing 1–3 vehicles
- Scalable across WRRFs and pump stations



Operational & Resilience Benefits

Reduces fuel
dependency

Lowers mowing
and maintenance
costs

Protects solar
and site
infrastructure

Improves soil
stability and
drainage

Supports
resilience and
sustainability
initiatives