

Annual Members' Meeting

January 6, 2025

Chris Eleazer, Executive Director



OJRSA Board of Commissioners

Current Term: January 1, 2024 – December 31, 2027

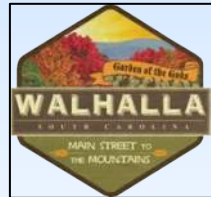


Seat 1 Seneca *Bob Faires*

Seat 2 Seneca *Scott Moulder*

Seat 3 Seneca *Scott McLane*

Seat 4 Seneca (at large) *Marty McKee*



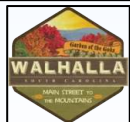
Seat 5 Walhalla *Celia Myers*

Seat 6 Walhalla *Laramie Hinkle*[^]



Seat 7 Westminster *Scott Parris*[^]

Seat 8 Westminster *Kevin Bronson*



Seat 9 Walhalla/Westminster (at large) *David Dial*

[^] Newly appointed since last Annual Members' Meeting

Sewer South Phase II

COMPLETE!
SCDES PERMIT TO
OPERATE ISSUED IN
DECEMBER.

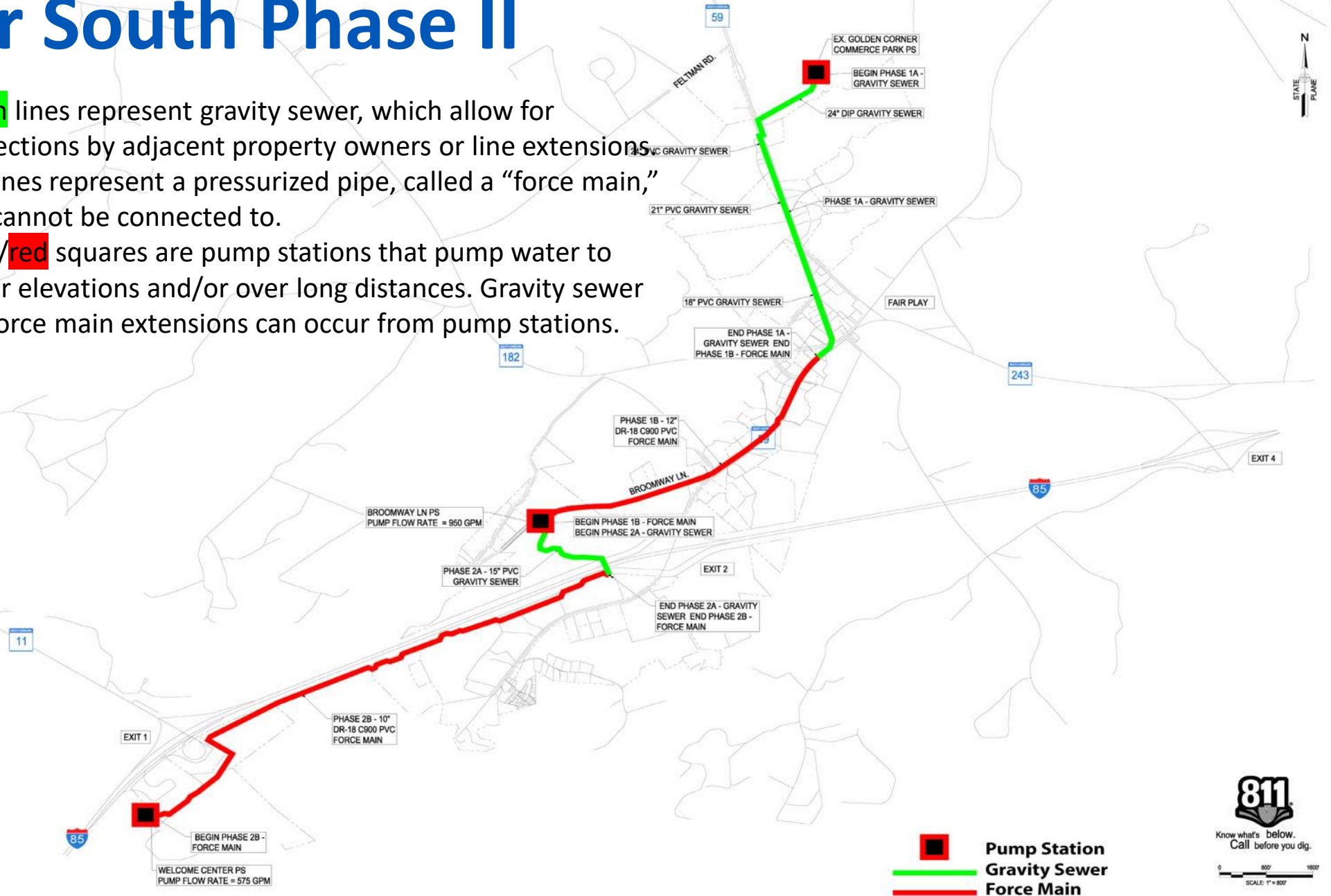
NOW NEED FLOW! OJRSA will begin contacting potential customers later this week with instructions for connecting.

Need at least 314,000 gallons per day in the areas of I-85 exits 1 and 2 and additional 591,000 gpd at GCCP Pump Station to reduce or eliminate odor issues and degradation of facilities due to hydrogen sulfide gas.

It is very likely these facilities will need pretreatment very soon (e.g. chemical, oxidation-reduction potential, etc.).

Sewer South Phase II

- **Green** lines represent gravity sewer, which allow for connections by adjacent property owners or line extensions.
 - **Red** lines represent a pressurized pipe, called a "force main," that cannot be connected to.
- Black/red** squares are pump stations that pump water to higher elevations and/or over long distances. Gravity sewer and force main extensions can occur from pump stations.



Pump Station
Gravity Sewer
Force Main

811
 Know what's below.
 Call before you dig.
 SCALE: 1" = 800'



DAVIS & FLOYD
 SINCE 1954
 164 WILKINSON BLVD., SUITE 200
 GREENVILLE, SC 29615
 (864) 327-0000

OCONEE JOINT REGIONAL SEWER
 AUTHORITY
 FAIR PLAY, SOUTH CAROLINA
 COURSA 185 CORRIDOR SEWER
 EXPANSION

OVERALL SEWER SYSTEM MAP									
DATE	DESCRIPTION	DATE	DESCRIPTION	DATE	DESCRIPTION	DATE	DESCRIPTION	DATE	DESCRIPTION
06/01/2021	MAP	06/01/2021	MAP	06/01/2021	MAP	06/01/2021	MAP	06/01/2021	MAP
1		1		1		1		1	



I-85 Phase II: Welcome Center Pump Station



I-85 Sewer Phase II: Pulling force main pipe beneath lake



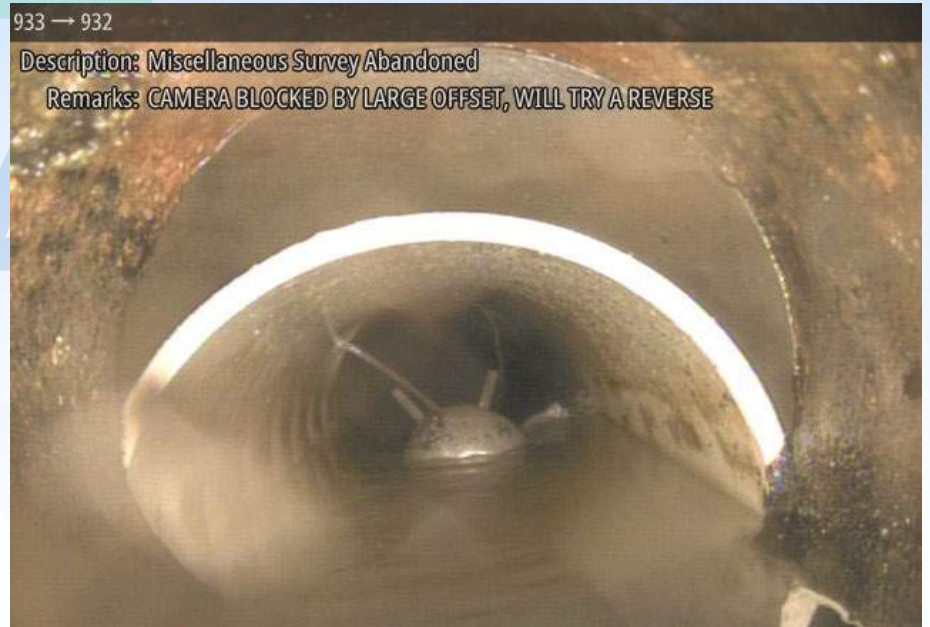
I-85 Sewer Phase II: Installing force main in right-of-way



I-85 Sewer Phase II: Broomway Lane Pump Station



Began fats, oils, and grease inspections



09 • Aug • 2024 CCTV footage showing offset pipe beneath US 123



Flooding during Hurricane Helene – September 27



After Helene's floodwaters receded – September 28



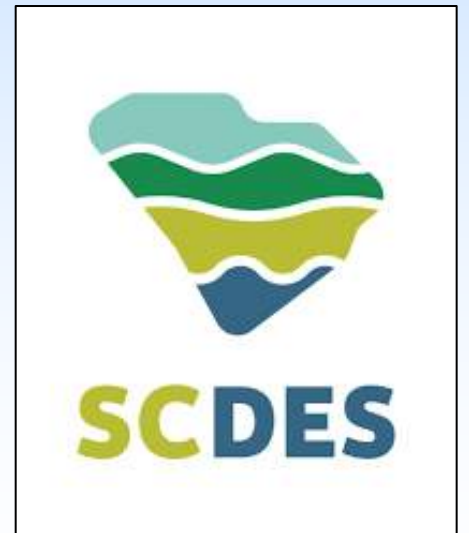
Point repair on broken line



Public meeting for creation of 20-year sewer master plan



New Duck Pond Pump Station (replacement of Flat Rock PS)



South Carolina Department of Environmental Services replaces SCDHEC

OJRSA Compliance

SAFETY

- Employees worked a total of 31,331 hours YTD through November 2024
- Lost-time accidents – 0
- OSHA violations – 0
- Flagger training held with SC Rural Water Association



OJRSA Compliance

CONVEYANCE SYSTEM

2021 CONSENT ORDER still in effect

Sanitary Sewer Overflows

- 17 known spills totaling approximately 5,384,350 gallons (*8 due to Hurricane Helene = 5,275,800 gallons*)
- 1 Significant Spill (13,750 gallons)
- 13 reportable to DHEC (by R.61-9 and NPDES Permit requirements)
- 10 weather-related (8 due to Hurricane Helene)
- 2 on Speeds Creek pump station force main (14 since 2016)



OJRSA Compliance

OJRSA CONEROSS CREEK WWTP
(3BV8-M848-TN3)

Violation List

No Violations Found

Comment from SCDHEC inspection report, April 2024

WATER RECLAMATION FACILITY

- DHEC (SCDES) inspection March 2024 – **SATISFACTORY with no deficiencies noted** (*12 page inspection check sheet!*)
- Waiting on from SC Department of Environmental Services (SCDES)...
 - Updated NPDES Permit, which may lead to additional monitoring requirements (e.g., PFAS, chromium, etc.)
 - Construction permit to convert to peracetic acid from chlorine gas/sodium bisulfate

OJRSA Compliance

The review indicates that the permit requirements evaluated during the inspection were being met, resulting in a rating of **Satisfactory**. Therefore, no response is necessary.
Comment from SCDHEC inspection report, April 2024

PRETREATMENT PROGRAM

- SCDHEC (now SCDES) Pretreatment Performance Audit in March 2024 – **SATISFACTORY with no deficiencies noted** (34 page inspection check sheet!)
- 19 Significant Industrial Wastewater Discharge Permit facilities monitoring a total of 326 pollutant parameters (through November)
 - 99.80% compliance rate (does not include late DMR reporting)
 - 14 facilities in full compliance
 - 1 Significant Non-Compliance (SNC) and 4 minor violations issued to 5 industries *[there were multiple violations at 1 site]*
 - 0 Consent Orders issued to permitted users *[closed out 1 in 2024]*
- 1 Nonsignificant Source Wastewater Discharge Permit User
 - Continuing corrective action on a Consent Order issued in 2022
- Compliance assistance offered to FOG facilities

OJRSA Compliance

LABORATORY

- No SCDES inspection during 2024
- Have outsourced some functions to independent lab

STORMWATER

- No SCDES inspection during 2024
- Continued making site improvements to comply with 2022 *NPDES General Permit for Stormwater Discharges Associated with Industrial Activities*
- No permit violations, all samples obtained and self inspections were performed as required in Permit and SWPPP. Corrective actions were taken as necessary.

SCDES Enforcement Update

Consent Order (issued 2021 but still active)

Causes of Order

1. SSOs in 2019-2020
 - Two non-Act of God, vandalism, or third party caused (61,500 gal); *Violation of SC Code § 48-1-90(A)(1) and SC Code §48-1-95(D)(1)*
 - Four Acts of God caused (736,000 gal)
2. Unsatisfactory Collection System Inspection – Flat Rock Pump Station overflows, structural issues, and trash in wet well
3. Failure to enforce Sewer Use Regulation – I/I removal and fats, oils, and grease (FOG)

Required to

1. Perform capacity, management, operation, and maintenance (CMOM) assessment
2. Reduce inflow and infiltration (I/I)
3. Update and enforce Sewer Use Regulation on upstream systems and users

Fined \$7,000 by SCDHEC

SCDES Enforcement Update

Consent Order (issued 2021 but still active)

Significant progress made on requirements in 2024

- Completed replacement of Flat Rock Pump Station
- Replaced 340 linear feet of 15-inch gravity sewer and performed necessary point repairs ahead of larger rehabilitation project. Scheduled start: early 2025
- Completed design for 20,685 linear feet of gravity sewer and 700 vertical feet of manholes to address defects identified during FY 2023 inspection. Project was advertised and awarded. Scheduled start: early 2025
- Completed over 68,000 linear feet (12.9 miles) of pipe cleaning, CCTV inspection, and smoke testing, as well as and performed approximately 500 NASSCO Level One manhole inspections
- Repaired manholes on Choestoea gravity sewer south of Westminster
- Began working with cities on Corrective Action Plans to reduce inflow and infiltration impacting OJRSA system
- Began rate and cost of service analysis by third party (also required as part of Regional Sewer Feasibility Study)

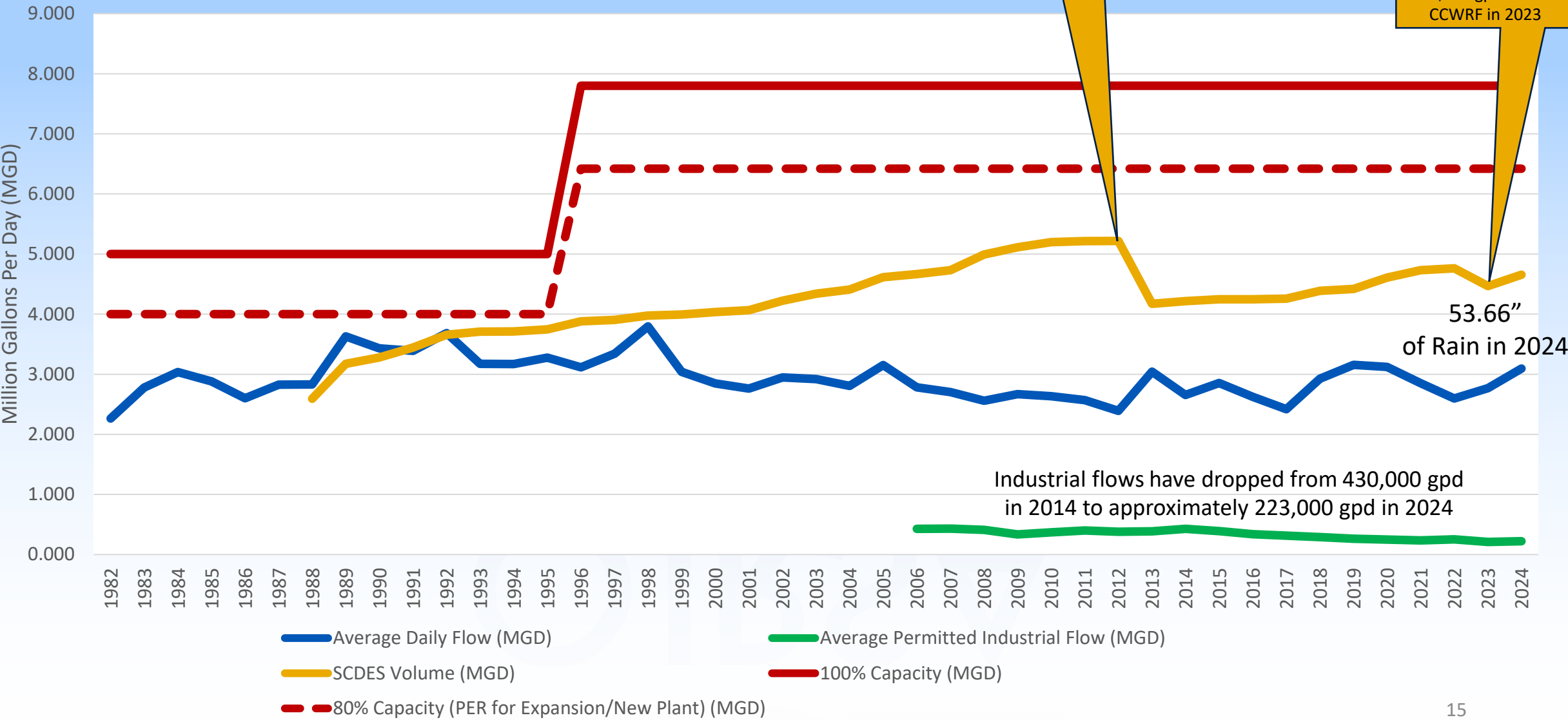
SCDES Enforcement Update

Consent Order (issued 2021 but still active)

Anticipated projects for 2025

- Complete rehabilitation for up to 29,000 linear feet of pipe and perform as much of the work as possible using SCIIP grant funds
- Construction to begin – and possibly end – for Seneca Creek Force Main replacement
- Consider funding for design phase of system rehabilitation projects based on CMOM CCTV/clean/inspection performed during FY 2024
- Continue work with cities to monitor, assist, and report actions taken to address deficiencies in their system as part of their Corrective Action Plans and Regional Sewer Feasibility Implementation programs
- Design replacement of Speeds Creek Force Main and seek funding sources for 2026 construction project
- Identify elevations to raise manholes to in order to prevent inflow during flooding events. ***This was requested by SCDES after Hurricane Helene to prevent OJRSA from shutting down treatment plant and pump stations. See “during/after” photos from earlier in presentation).***

Flows



User Rates

- Still the same as reported in January 2024...Board approved use of base + volumetric rate for sewer (charge per 1,000 gallons), became effective July 1, 2023
 - Rate and cost of service study being performed by Willdan Financial.
- Recommendations and results expected by March 2025 (to be addressed during Regional Sewer Feasibility Implementation project).

O&P COMMITTEE to BOARD 10/19/2022: RESIDENTIAL BASE + VOLUME, NONRESIDENTIAL BASE + VOLUME; MASTER METERS BILLED AS NONRESIDENTIAL

F&A Worksheet: November 21, 2022

Average TOTAL sewer gallons billed by cities FY 2022	56,457,682
RESIDENTIAL sewer gallons billed by cities FY 2022	30,446,358
Nonresidential sewer gallons billed by cities FY 2022	26,011,324

OJRSA Revenue/Year from Cities	\$5,077,763
Includes Contingency % of Months/Year	0.00% 12
Revenue Needed/Month	\$423,147
% Collected from Residential	53.93%
% Collected from Nonresidential (w master)	46.07%

DATA COLLECTED FROM CITIES WEEK OF JUNE 20, 2022		
# Residential Customers	7,938	
# Commercial Customers	888	81.17%
# Industrial Customers	31	2.83%
# Institutional Customers	175	16.00%
TOTAL NON-RES CUST	1,094	
TOTAL CUST	9,032	

Residential User Rates

Residential Volume/Month	30,446,358 gallons	= RESIDENTIAL sewer gallons billed by cities
Res 1,000 GAL/MONTH	30,446 x 1,000 gallons	= Residential Volume/Month / 1,000 gallons
Revenue Needed/Month for Residential	\$228,193.61	= Revenue/Month x % Collected from Residential
Base Residential Rate/Month	\$10.00 /month	= As set by OJRSA
Residential Total Fees Collected from Base Rate	\$79,380.00	= Base Residential Rate/Month x # Residential Customers
Residential Volumetric Cost/1,000 GAL	\$4.89 /1,000 gallons	= (Revenue Needed/Month for Residential - Residential Total Fees Collected from Base Rate) / Res 1,000 GAL/MONTH
Amount Revenue Generated from Residential Volumetric	\$148,882.69	= Res 1,000 GAL/MONTH x Residential Volumetric Cost/1,000 GAL

Nonresidential User Rates

Nonresidential Volume/Month	26,011,324 gallons	= Nonresidential sewer gallons billed by cities
Non-Res 1,000 GAL/MONTH	26,011 x 1,000 gallons	= Nonresidential Volume/Month / 1,000 gallons
Revenue Needed/Month for Nonresidential	\$194,953.30	= Revenue/Month x % Collected from Nonresidential
Base Nonresidential Rate/Month	\$15.00 /month	= As set by OJRSA
Nonresidential Total Fees Collected from Base Rate	\$16,410.00	= Base Nonresidential Rate/Month x TOTAL NON-RES CUST
Nonresidential Volumetric Cost/1,000 GAL	\$6.87 /1,000 gallons	= (Revenue Needed/Month for Nonresidential - Nonresidential Total Fees Collected from Base Rate) / Non-Res 1,000 GAL/MONTH
Amount Revenue Generated from Nonresidential Volumetric	\$178,697.80	= Non-Res 1,000 GAL/MONTH x Nonresidential Volumetric Cost/1,000 GAL

TEST

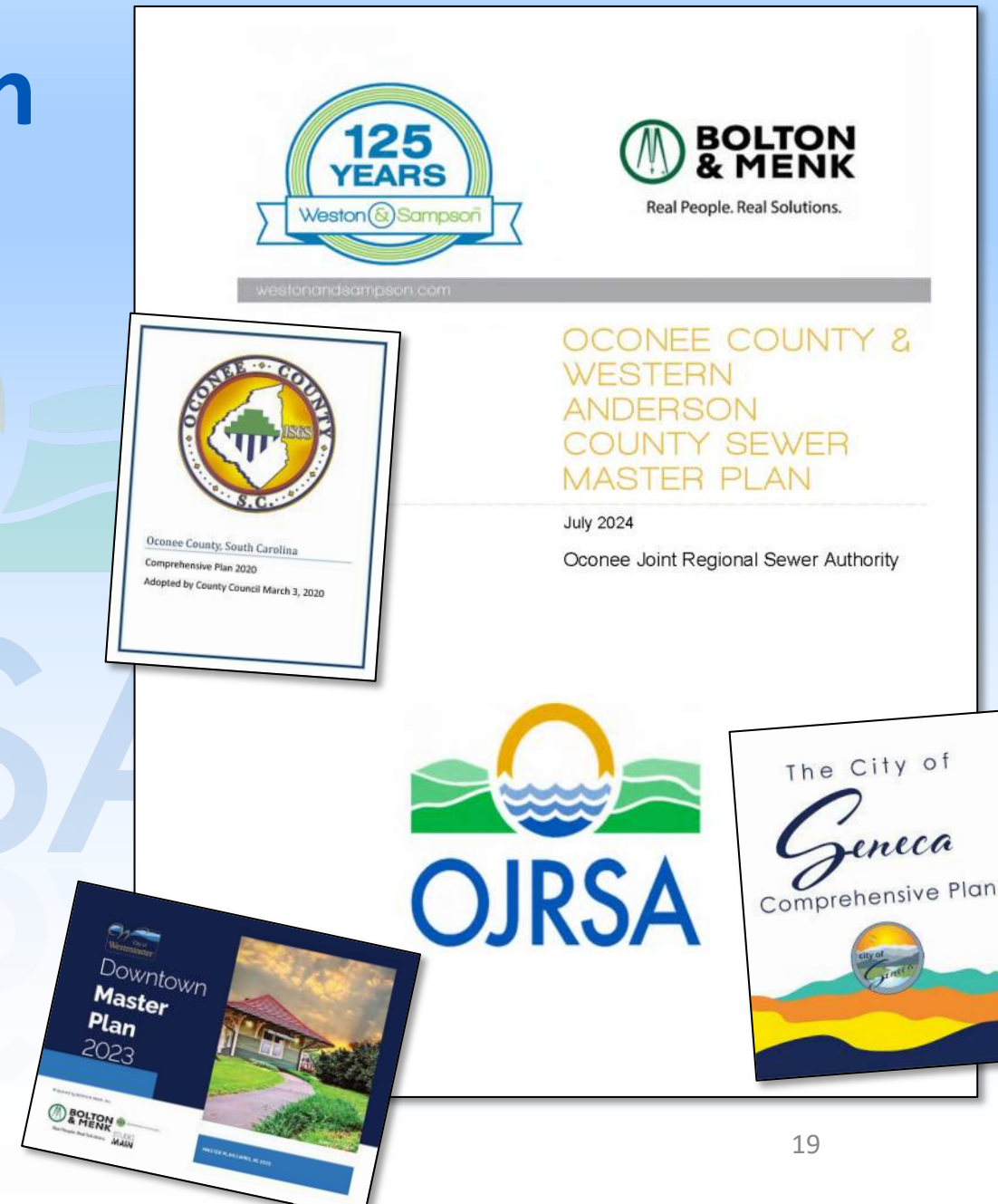
Revenue Needed/Month	\$423,147	= Revenue/Month
TOTAL RESIDENTIAL REVENUE RECEIVED/MONTH	\$228,263	= Residential Total Fees Collected from Base Rate + (Res 1,000 GAL/MONTH x Residential Volumetric Cost/1,000 GAL)
TOTAL NONRESIDENTIAL REVENUE RECEIVED/MONTH	\$195,108	= Nonresidential Total Fees Collected from Base Rate + (Non-Res 1,000 GAL/MONTH x Nonresidential Volumetric Cost/1,000 GAL)
TOTAL REVENUE/MONTH	\$423,370	= TOTAL RESIDENTIAL REVENUE RECEIVED/MONTH + TOTAL NONRESIDENTIAL REVENUE RECEIVED/MONTH
TEST -- Balance Must Be ≤ \$0	-\$223.58	= Revenue Needed/Month - TOTAL REVENUE/MONTH

Residential Base + Volume, Nonresidential Base + Volume; Master Meters Billed as Nonresidential

	Gallons of Wastewater Billed Per Month											
	0	1,000	2,000	3,000	4,000	5,000	10,000	15,000	20,000	25,000	30,000	50,000
Residential	\$10.00	\$14.89	\$19.78	\$24.67	\$29.56	\$34.45	\$58.90	\$83.35	\$107.80	\$132.25	\$156.70	\$254.50
Nonresidential	\$15.00	\$21.87	\$28.74	\$35.61	\$42.48	\$49.35	\$83.70	\$118.05	\$152.40	\$186.75	\$221.10	\$358.50

20-Year Sewer Master Plan

- Multi-year wastewater plan completed in mid-2024
- Considered
 - Population growth
 - Current and projected land use
 - Condition of current infrastructure
 - Pipeline expansion for new growth
 - Discharge permit parameters and receiving waterbodies
 - Additional treatment plant(s)



20-Year Sewer Master Plan

OCONEE JOINT REGIONAL SEWER AUTHORITY 20-YEAR CAPITAL IMPROVEMENT PLAN & REHABILITATION PLAN

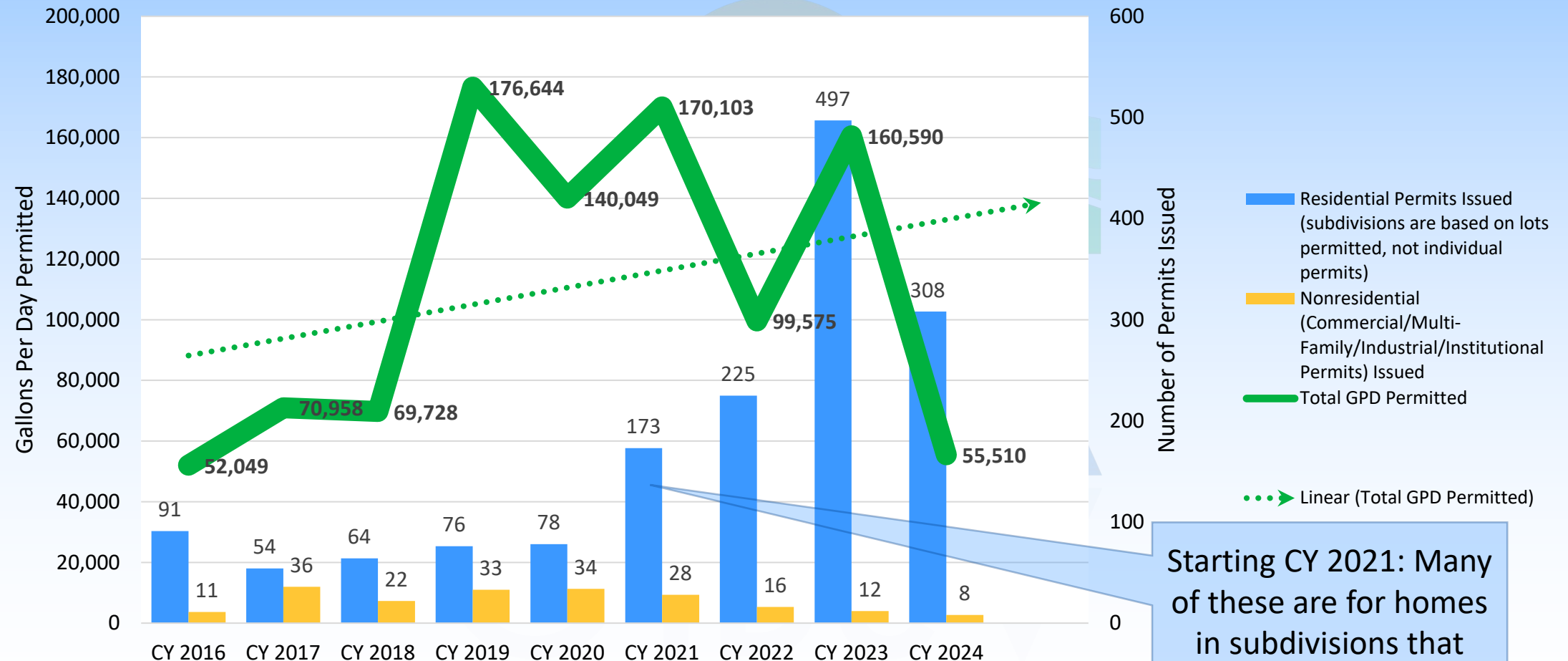
Includes projects identified in *Oconee County & Western Anderson County Sewer Master Plan* Scenario 4 as recommended by Weston & Sampson/Bolton & Menk (2024) and known/anticipated O&M and rehabilitation projects. All costs in July 2024 Dollars.

December 2024

PROJECT	JUSTIFICATION	LOCATION	PRIORITY	DRIVER	FUNDING SOURCE	CONSENT ORDER	SIGNIF O&M COST?	TOTAL PROJECT COST	FY 2026	FY 2027	FY 2028	FY 2029	FY 2030	FY 2031	FY 2032	FY 2033	FY 2034	FY 2035	FY 2036	FY 2037	FY 2038	FY 2039	FY 2040	FY 2041	FY 2042	FY 2043	FY 2044	FY 2045
Cane Creek PS Upgrade	Approaching or beyond end of useful life		2	O&M	Cash &/or Debt	No	No	\$ 2,887,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,894,401	\$ 1,193,099	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Choctawhatchee Creek Gravity Sewer	For future growth around Westminster, upslope from 8" to 12"		3	Growth	Cash &/or Debt	No	No	\$ 2,887,500	\$ 1,894,401	\$ 1,193,099	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 285,406	\$ 1,234,106	\$ 270,489	\$ -	
Choctawhatchee Creek PS Replacement	Beyond useful life		1	O&M	Cash &/or Debt	YES	No	\$ 1,135,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 660,488	\$ 474,513	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Coyovac PS Upgrade	Approaching or beyond end of useful life		3	O&M	Cash &/or Debt	No	No	\$ 2,214,000	\$ 3,437,632	\$ 8,481,316	\$ 8,504,552	\$ 1,719,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Davis Creek Road No. 1 Pump Station & Force Main (Newry Area development)	Elimination of pump stations and allows for growth on eastern side of system		2	Growth	Primary Debt	No	YES	\$ 5,281,000	\$ 842,026	\$ 3,640,956	\$ 708,018	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Davis Creek Road Gravity Sewer / PS Elimination	Elimination of pump stations and allows for growth on eastern side of system		2	Growth/O&M	Primary Debt	No	No	\$ 1,890,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Flat Rock Downstream Gravity Sewer	For future growth south of Walhalla, upslope from 8" to 10"		3	Growth	Cash &/or Debt	No	No	\$ 4,033,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 304,920	\$ 1,303,050	\$ 262,030	\$ -	
Lower Seneca Creek Sewer Improvements	New service area, 6" gravity and pump station/force main		3	Growth	Primary Debt	No	YES	\$ 1,185,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 643,039	\$ 2,780,529	\$ 609,431	\$ -	
Lower Westminster Gravity Sewer	For future growth south of Westminster, replace 10" with 15"		3	Growth	Cash &/or Debt	No	No	\$ 1,872,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 302,016	\$ 1,290,640	\$ 279,344	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
I-85 Region Sewer (OCONEE COUNTY FUNDED (2022 Dollars: \$16,000,000))	For future growth east of Seneca, install 8" gravity sewer		N/A	Growth	Oconee Co	No	YES	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
I-85 PS Replacement	Approaching or beyond end of useful life		1	O&M	Cash &/or Debt	No	No	\$ 1,185,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 677,760	\$ 477,240	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Martin Creek Gravity Sewer (needed to serve Newry Area development)	Elimination of pump stations and allows for growth on eastern side of system		2	Growth	Primary Debt	No	No	\$ 7,318,000	\$ 1,166,814	\$ 5,045,354	\$ 1,105,831	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Martin Creek H2S Control	Elimination of asset degradation due to H2S and eliminate other complaints		1	O&M	Cash &/or Debt	No	YES	\$ 1,000,000	\$ 586,806	\$ 413,194	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Martin Creek Pump Station & Force Main	Allows for elimination of upstream pump stations and growth		3	Growth/O&M	Primary Debt	YES	No	\$ 38,486,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,902,053	\$ 9,544,290	\$ 14,781,476	\$ 10,258,182	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Perkins Creek PS Upgrade ASSUMED ELIMINATION BY DAVIS CREEK SEWER PROJECT	Eliminate pump stations, allows for growth in eastern area (\$2,000,000 if replaced)		1	Growth/O&M	N/A	No	YES	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Newry Area Pump Station & Force Main	Growth in the Newry/SC 130/Old Clemson Hay area		2	Growth	Primary Debt	No	YES	\$ 19,751,000	\$ 3,066,282	\$ 7,565,121	\$ 7,565,847	\$ 1,533,750	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Perkins Creek PS Replacement ASSUMED ELIMINATION BY DAVIS CREEK SEWER PROJECT	Eliminate pump stations. Beyond useful life. (\$2,000,000 if replaced)		1	Growth/O&M	N/A	No	No	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Perkins Creek PS Replacement	Approaching or beyond end of useful life		1	Growth/O&M	Primary Debt	YES	No	\$ 6,930,000	\$ 4,000,563	\$ 2,963,436	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Seneca Creek PS Upgrade POSSIBLE ELIMINATION BY DAVIS CREEK SEWER PROJECT	Beyond useful life, no remaining capacity available (if eliminated, save \$3,750,000)		1	Growth/O&M	Primary Debt	No	YES	\$ 3,750,000	\$ 2,200,521	\$ 1,549,479	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Shiloh Road Drivly Sewer	For future growth east of Seneca, install 8" gravity sewer		3	Growth	Cash &/or Debt	No	No	\$ 1,890,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 304,336	\$ 1,497,663	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Speeds Creek Force Main Replacement	Frequent breaks, issues with soil causing degradation of DIP		1	Growth/O&M	Cash &/or Debt	YES	No	\$ 2,713,000	\$ 432,573	\$ 1,870,463	\$ 409,964	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Speeds Creek PS Replacement	Approaching or beyond end of useful life		3	Growth/O&M	Primary Debt	No	No	\$ 4,620,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,711,042	\$ 1,908,959	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Systemwide Improvements (Rehab 100% of System Plus Mnc, Gravity Sewer Improvements)	For rehabilitation that we have not yet identified but will during CHOM implementation		1	O&M	Primary Debt	YES	No	\$ 24,575,000	\$ 1,245,816	\$ 1,245,816	\$ 1,249,229	\$ 1,245,816	\$ 1,245,816	\$ 1,245,816	\$ 1,249,229	\$ 1,245,816	\$ 1,249,229	\$ 1,245,816	\$ 1,245,816	\$ 1,245,816	\$ 1,245,816	\$ 1,249,229	\$ 1,245,816	\$ 1,245,816	\$ 1,245,816	\$ 1,249,229	\$ 887,431	
US 123 / 76 West Seneca RR Bridge Crossing / Bottleneck	Issues with degradation due to H2S from S&W system		2	Growth/O&M	Cash &/or Debt	No	No	\$ 1,000,000	\$ 586,806	\$ 413,194	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Valley View Sewer Improvements	For future growth east of Seneca, install 8" gravity sewer, PS&FM		3	Growth	Primary Debt	No	YES	\$ 6,439,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 870,407	\$ 3,773,989	\$ 814,604	
West Oak Sewer Extension	Remove West Oak HS WWTP, allow for growth with 8" gravity sewer		3	Growth	Primary Debt	No	YES	\$ 4,712,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 761,302	\$ 3,248,062	\$ 712,036	\$ -	
West Perkins Creek Gravity Sewer	Allows for growth on northern and western side of Seneca		3	Growth	Primary Debt	No	No	\$ 5,132,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 494,293	\$ 1,636,205	\$ 2,801,502	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Westford PS Replacement	Approaching or beyond end of useful life		1	O&M	Cash &/or Debt	No	No	\$ 1,135,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 677,760	\$ 477,240	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Richland Creek Trunk Sewer Extension	Allows for growth on northern and western side of Seneca		2	Growth	Primary Debt	No	No	\$ 7,900,000	\$ 961,167	\$ 2,835,222	\$ 3,413,458	\$ 680,153	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Richland Road Gravity Sewer	Allows for growth on northern and western side of Seneca		3	Growth	Cash &/or Debt	No	No	\$ 2,100,000	\$ -	\$ 1,252,292	\$ 867,708	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
CCTV/Cleaning	CHOM, inflow/infiltration, system maintenance/repairs		1	O&M	Annual (O&M)	YES	YES	\$ 4,000,000	\$ 202,778	\$ 202,778	\$ 203,333	\$ 202,778	\$ 202,778	\$ 202,778	\$ 203,333	\$ 202,778	\$ 202,778	\$ 202,778	\$ 203,333	\$ 202,778	\$ 202,778	\$ 202,778	\$ 203,333	\$ 202,778	\$ 202,778	\$ 202,778	\$ 203,333	\$ 144,444
Engineering/Flow Metering	CHOM, inflow/infiltration, system maintenance/repairs		1	O&M	Annual (O&M)	YES	YES	\$ 8,000,000	\$ 405,556	\$ 405,556	\$ 406,667	\$ 405,556	\$ 405,556	\$ 405,556	\$ 406,667	\$ 405,556	\$ 405,556	\$ 405,556	\$ 406,667	\$ 405,556	\$ 405,556	\$ 405,556	\$ 406,667	\$ 405,556	\$ 405,556	\$ 406,667	\$ 285,889	
GIS/Mapping	CHOM, inflow/infiltration, system maintenance/repairs		1	O&M	Annual (O&M)	YES	YES	\$ 591,000	\$ 29,960	\$ 29,960	\$ 30,043	\$ 29,960	\$ 29,960	\$ 29,960	\$ 30,043	\$ 29,960	\$ 29,960	\$ 30,043	\$ 29,960	\$ 29,960	\$ 29,960	\$ 30,043	\$ 29,960	\$ 29,960	\$ 29,960	\$ 30,043	\$ 21,342	
Aeration: Gate Replacements	Inoperable		1	O&M	Cash &/or Debt	No	No	\$ 300,000	\$ 219,722	\$ 80,278	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Aeration: Motor Repair / Replacement	Inoperable		1	O&M	Cash &/or Debt	No	No	\$ 107,620	\$ 78,822	\$ 28,798	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Biological Reactor Basin: Valve / Gate Replacements	Inoperable		1	O&M	Cash &/or Debt	No	No	\$ 290,020	\$ 214,610	\$ 78,410	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Conovers Creek WRF Upgrade Phase 1 (Upgrade to 10.4 mgd)	For areawide growth and for operational service by FY 2032 (7-8 years)		2	Growth	Primary Debt	No	YES	\$ 52,000,000	\$ -	\$ 2,965,625	\$ 2,973,750	\$ 6,996,403	\$ 13,788,889	\$ 13,788,889	\$ 11,484,444	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Conovers Creek WRF Upgrade Phase 2 (Upgrade to 10.4 mgd)	For areawide growth and for operational service by FY 2045 (20 years)		3	Growth	Primary Debt	No	YES	\$ 52,000,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,973,750	\$ 2,965,625	\$ 6,996,403	\$ 13,788,889	\$ 13,826,667
Conovers Inflow PS Flood Protection	Necessary due to frequent flooding and shutting down treatment plant		1	WRF	O&M	Cash &/or Debt	No	\$ 154,700	\$ -	\$ 90,779	\$ 63,921	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Digesters / Sludge Holding Tanks: Blower Room Repairs	Beyond useful life - to be funded during WRF Upgrade Phase 1 (\$104,650)		N/A	O&M	Annual (O&M)	No	No	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Digesters / Sludge Holding Tanks: Mixer Replacement for #1	Beyond useful life - to be funded during WRF Upgrade Phase 1 (\$14,950)		N/A	O&M	Annual (O&M)	No	No	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Digesters / Sludge Holding Tanks: Repair Decanter System	Inoperable		1	O&M	Cash &/or Debt	No	No	\$ 273,000	\$ 199,947	\$ 73,053	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Digesters / Sludge Holding Tanks: Replace Blowers	Inoperable		1	O&M	Cash &/or Debt	No	No	\$ 149,500	\$ -	\$ -	\$ -	\$ 109,495	\$ 40,005	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Digesters / Sludge Holding Tanks: Replace Blowers	Beyond useful life		1	O&M	Cash &/or Debt	No	No	\$ 560,300	\$ 410,369	\$ 149,932	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Electrical: Backup Power - Portable Generator Connection (Inc. Engineering)	Necessary to allow treatment plant to be powered by rented generator		1	Growth/O&M	Cash &/or Debt	No	No	\$ 212,875	\$ 155,911	\$ 56,964	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Flow Equalization & Storage: Day Tank Mixing and Control Equipment	Inoperable		1	O&M	Cash &/or Debt	No	No	\$ 232,473	\$ 170,265	\$ 62,208	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Primary Clarifiers: Alkalinity Control	Compliance issues and concerns--WILL BE NEEDED ASAP IF BASF CHANGES PROCESS		3	O&M	Cash &/or Debt	No	YES	\$ 694,850	\$ -	\$ -	\$ -	\$ 506,913	\$ 165,937	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Primary Clarifiers: Pim Clarifier Sludge #3 Pump Replacement	Beyond useful life - to be funded during WRF Upgrade Phase 1 (\$30,000)		N/A	O&M	Annual (O&M)	No	No	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Primary Clarifiers: Rehabilitate Distribution Box	Approaching end of useful life		2	WRF	Cash &/or Debt	No	No	\$ 86,710	\$ -	\$ 63,507	\$ 23,203	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Primary Clarifiers: Scum Pump #2 Replacement	Beyond useful life		1	O&M	Cash &/or Debt	No	No	\$ 40,000	\$ 29,296	\$ 10,704	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Secondary Clarifiers: Rebuild / Replace Mechanical Equipment	Possibly Inoperable--need to repair valve first		1	O&M	Cash &/or Debt	No	No	\$ 375,500	\$ 275,239	\$ 100,561	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Secondary Clarifiers: Replace RAS Valves and Check Valves	Beyond useful life		1	O&M	Cash &/or Debt	No	No	\$ 70,000	\$ 51,269	\$ 18,731	\$ -	\$ -																

Growth

Flow Permitted and Types of Permits Issued by Year

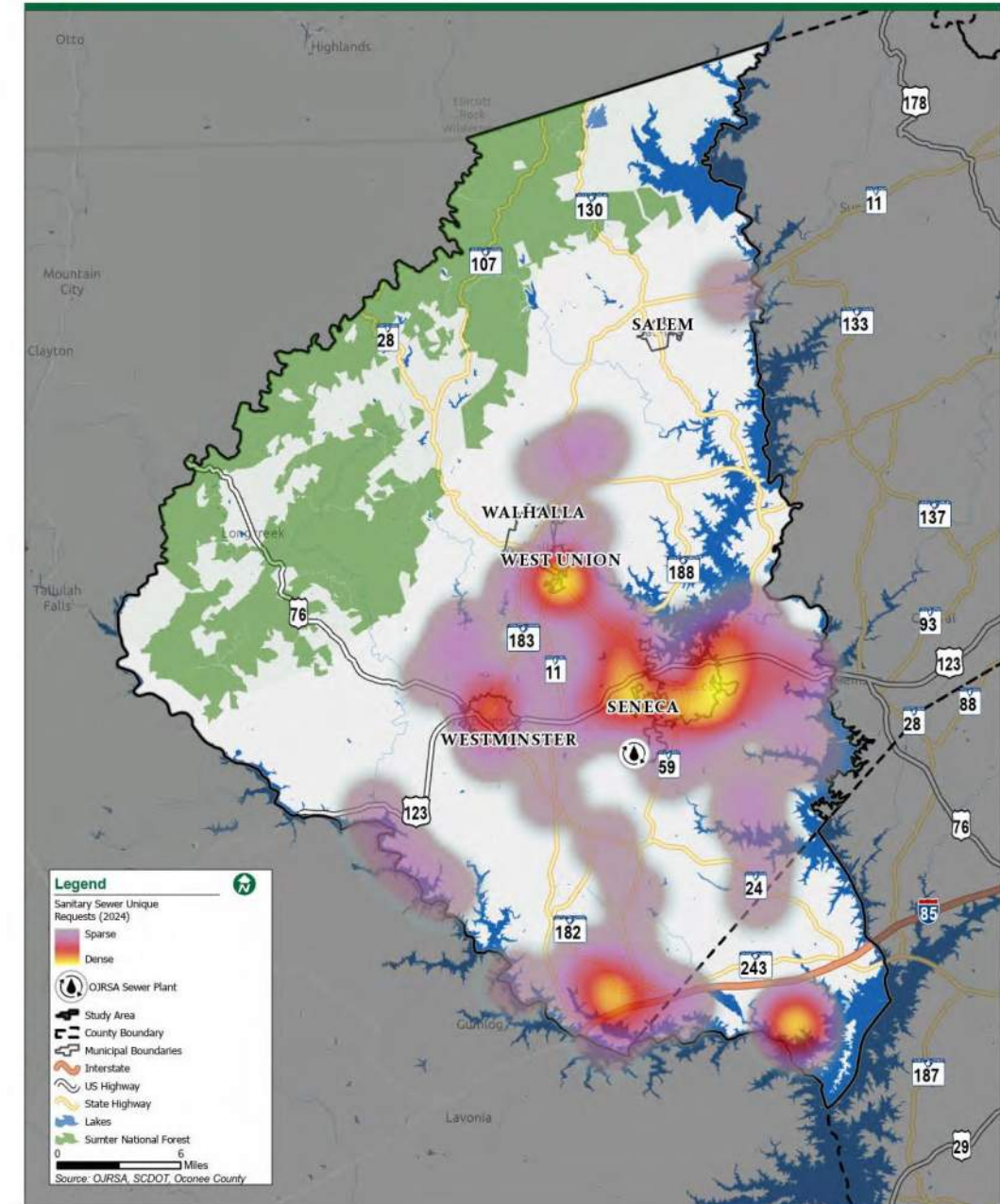


Starting CY 2021: Many of these are for homes in subdivisions that have not been built yet

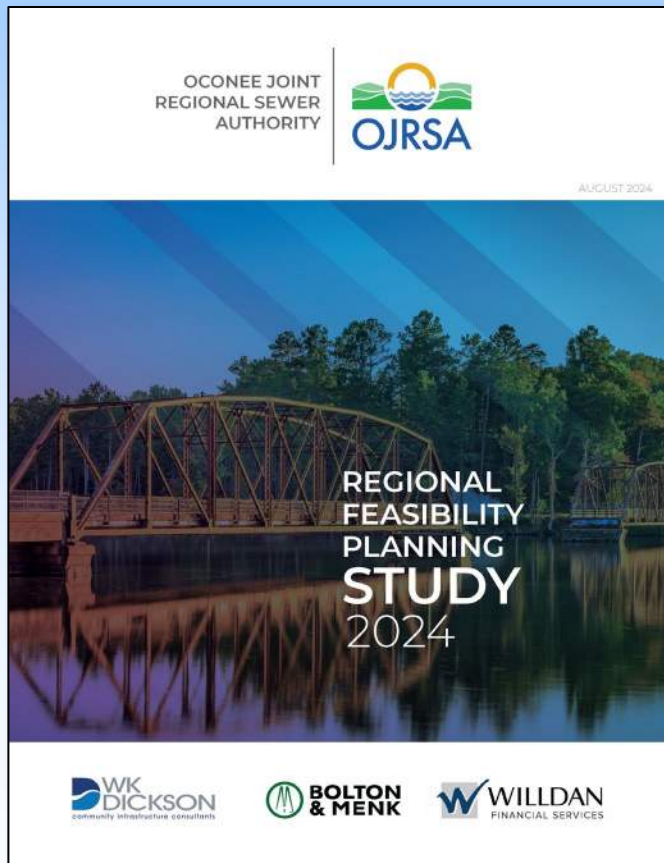
Growth

REQUESTS FOR SEWER AVAILABILITY TO SPECIFIC PARCELS DURING 2024...

- 127 inquiries answered by OJRSA Executive Director (some may be to the same parcel)
- Inquiries covered 4,134 total acres
- Requests per general area of sewer provider
 - Seneca – 50
 - Walhalla – 26
 - Westminster – 15
 - Fair Play / I-85 Corridor – 15
 - Not In Defined Service Area or Unknown – 11 (e.g., Tokeena Crossroads, Salem, etc.)
 - Anderson County – 9
 - West Union – 1



Regional Sewer Feasibility Study



Completed July 2024. This project consisted of the development of a comprehensive feasibility study to determine if regionalizing sewer collection, conveyance, and treatment in Oconee County, South Carolina and a portion of Anderson County* will streamline service delivery and enhance the success of the community and its quality of life.

* Area west of Seneca River portion of Lake Hartwell to Exit 4/Oconee County line

Regional Sewer Feasibility Study

EVALUATED

- Governance structures
- Revenues and finances
- Environmental compliance
- Utility resources
- Efficiency in operations

SYSTEM OWNER

- OJRSA

KEY STAKEHOLDERS

- City of Seneca
- City of Walhalla
- City of Westminster
- Oconee County
- Town of West Union



Regional Sewer Feasibility Study

RECOMMENDATIONS

Two Governance Options

1. Complete Revision to the Current OJRSA Agreement

includes 8 sub-recommendations

-or-

2. Consolidation with an Interested Multi-County Utility Organization

-and-

Consider Consolidation of Systems



Regional Sewer Feasibility Study

Primary: Complete Revision to the Current OJRSA Agreement

1. Modify the OJRSA Board composition - Five members to include one representative from Oconee County, Seneca, Walhalla, Westminster. The final one is TBD.
2. Establish Board member vote allocation/weighing policy
3. Establish debt approval policies, as allowed by the governing state statute.
4. Establish triggering action(s) and process for adding new members.

Continued next slide

Regional Sewer Feasibility Study

5. Establish processes and procedures that would allow OJRSA to own, operate, and maintain retail sewer collection assets or assets from other sewer entities in the county, if desired by stakeholders.
6. Establish equitable rate structure(s).
7. Establish how growth will be funded.
8. Establish the term of the new agreement.

Regional Sewer Feasibility Implementation

OJRSA Action Items

September 9, 2024

OJRSA Board of Commissioners accept study

November 13, 2024

Establish an 11-member ad hoc committee

December 6, 2024

Receive legal options on the two governance options provided in recommendations (revise current agreement vs. consolidation with another multi-county utility)

March 10, 2025

Complete a financial/rate cost of service study—to include 20-year master plan—by qualified utility financial consultant

May 13, 2025

Ad hoc committee to present to OJRSA Board and County next steps and recommendations

CITIES/COUNTY Action Items

December 6, 2024

Authorize the completion of individual sewer collection system capital improvement plan (CIP)

June 6, 2025

Complete a financial/rate cost of service study by qualified utility financial consultant. Study to be based on CIP and 2024 OJRSA 20-Year Sewer Master Plan.



Regional Sewer Feasibility Implementation

Key Satellite Sewer System Stakeholder Action Items

Harry M. Lightsey III
Chairman



South Carolina
Rural Infrastructure Authority

September 30, 2024

via email

Mr. Chris Eleazer
Executive Director
Oconee Joint Regional Sewer Authority
623 Return Church Road
Seneca, South Carolina 29678

Re: Grant #RG-23-5006 – Reorganizational Models for Oconee Joint Regional Sewer Authority– Grant Monitoring

Dear Mr. Eleazer,

In September 2024, a desk monitoring was conducted to review the activities carried out by the Oconee Joint Regional Sewer Authority under the above-referenced SC Rural Infrastructure Authority (RIA) grant.

The purpose of this review was to determine if activities are being implemented in accordance with the Grant Agreement and RIA's Project Management Procedures and to provide technical assistance as necessary.

1. Staff person conducting the review:
Sophia Mazza

2. Areas reviewed:
Program Progress, Program Accomplishments, Procurement and Project Management, Financial Management, Project Management and Record Keeping

Attached is a report of the results of this review. Should you require further assistance, please do not hesitate to contact me at (803)760-9907 or smazza@ria.sc.gov.

Sincerely,

Sophia Mazza
Grant Manager

5. PROGRAM ACCOMPLISHMENTS

The project prepared a Regional Feasibility Planning Study that evaluated the existing conditions of the collective sewer operations in Oconee County, specifically the key stakeholders' technical, operational, financial, and environmental compliance. This evaluation informed recommendations around sewer governance structures for Oconee County to promote viability now and in the future. The project benefitted the 9,032 customers of the OJRSA and participating sewer systems. The participating sewer systems include Oconee County, City of Seneca, City of Walhalla, City of Westminster, and Town of West Union.

The draft study was submitted to RIA for review in August 2024. Upon review, the study was determined to be consistent with the approved scope of the grant and the professional services contract. The Authority was notified of this in August 2024.

The final study recommended a complete revision to the existing organizational agreement for Oconee Joint Regional Sewer Authority and offered consolidation as a secondary recommendation should the former be ineffective or unfeasible. It also encouraged continued conversations and studies surrounding this issue to vet the implementation of these recommendations. The efforts to act on the recommendations and reorganizational efforts outlined in this plan may be a consideration in evaluations of future funding requests for Oconee Joint Regional Sewer Authority and the participating systems.

OJRSA Requests for Satellite Systems

PARTICIPATE IN

- Regional Sewer Feasibility Implementation program as requested by RIA
- Corrective Action Plan as requested by OJRSA as part of agency's Consent Order requiring enforcement of OJRSA Sewer Use Regulation

CONTINUE WITH

- Seeking inflow and infiltration (I&I) sources and take appropriate corrective actions
- Budgeting for future repairs and growth
- Gathering GPS/GIS information for mapping, hydraulic model, and asset management purposes – *More information to be sent to cities soon*
- Assisting OJRSA with enforcement regulation
- Seeking ways to eliminate hydrogen sulfide (H₂S) gas from being discharged to OJRSA system – OJRSA and SCDES has received numerous complaints
- Refraining from pushing debris into OJRSA lines when cleaning pipes. Remove it using baskets, vac truck, or other such methods.

COMPLETING

- Capital Improvement Plan (per Feasibility Study and Corrective Action Plan)
- Biannual reviews requested by OJRSA to submit to SCDES per OJRSA Consent Order (due to OJRSA each April 30 and October 31 until Consent Order closed)
- Financial/rate cost of service study requested in Feasibility Study



Grease build up on an OJRSA line that was "jetted" from a Member City line into the trunk sewer

Schedule a Tour!



The Coneross Creek Water Reclamation Facility provides an essential service that powers our community's economic engines and improves our quality of life!

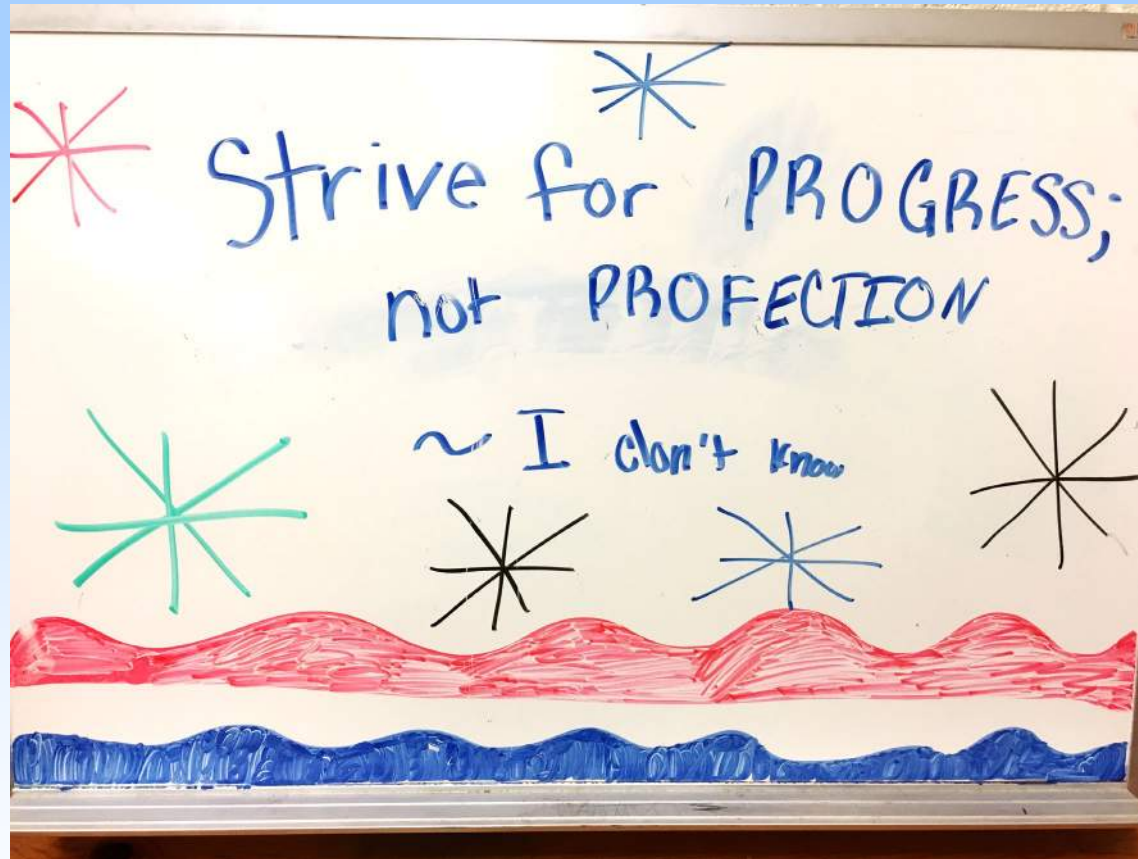
Contact us

chris.eleazer@ojrsa.org

kyle.lindsay@ojrsa.org

864-972-3900

Questions, Comments, and Closing



OJRSA Board Chair

Chris Eleazer
Executive Director