

Pee Dee River Basin Council

February 27, 2024



FULL LIFE. FULL FORWARD.

FLORENCE

SOUTH CAROLINA





Groundwater & Surface Water Permitted Capacity

- Groundwater Permitted Capacity – **13.460 Million Gallons per Day**
 - Crouch Branch Aquifer Total Production Capacity – 4.3 MG
 - McQueen Aquifer Total Production Capacity – 30.9 MG
 - 14 GWTPs and 30 Wells
- Surface Water Permitted Capacity - **10 Million Gallons per Day**
- **Total Current Capacity – 23.460 Million Gallons per Day**

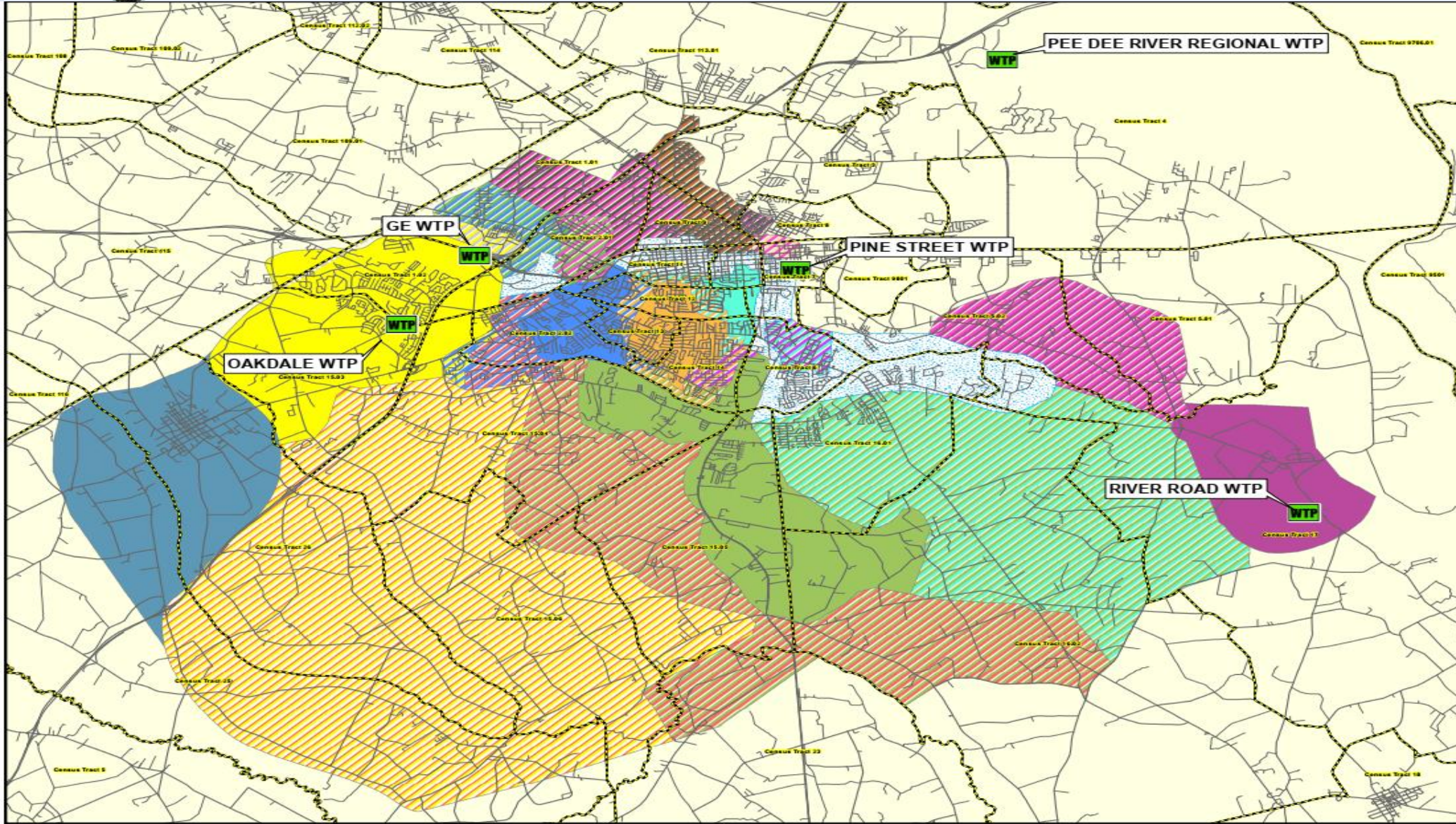


GWTP vs SWTP Production

	GWTP Production MGD	GWTP %	SWTP Production MGD	SWTP %	Total Production MGD
2013	8.328	68	3.961	32	12.289
2014	9.461	66	4.785	34	14.246
2015	8.823	70	3.729	30	12.552
2016	9.452	71	3.874	29	13.326
2017	9.625	72	3.829	28	13.454
2018	9.834	67	4.932	33	14.766
2019	10.789	72	4.248	28	15.037
2020	10.389	70	4.405	30	14.794
2021	9.962	64	5.589	36	15.551
2022	9.719	61	6.34	39	16.059
2023	8.963	58	6.566	42	15.529
Average	9.577	67.2	4.75	32.8	14.328



System Production Zone Map



FULL LIFE. FULL FORWARD.
FLORENCE
 SOUTH CAROLINA

Florence Water Pressure Project Figure 1

Legend

- Water Treatment Plant
- Census Tract
- County Lines

Service Area NAME

- Timmonsville
- East Florence
- Edisto
- Gulley Branch
- McCown St
- Oakland
- River Rd
- South Florence
- Alligator Rd/Oakdale
- Alligator Rd/South Florence
- Gulley Branch/Dexter Boatwright
- Gulley Branch/South Florence
- Lucas St/Pee Dee Reg
- McCown St/Alligator Rd
- McCown St/Darlington Street
- McCown St/Edisto
- Oakland/McCown St
- River Rd/East Florence
- South Florence/Edisto
- Edisto/Dexter Boatwright
- Edisto/Gulley Branch
- GE/Oakland
- East Florence/Pee Dee Reg
- East Florence/Darlington St
- East Florence/Ballard St
- Multi Blended



South Carolina State Plane, NAD 83
 Zone 3900, International Feet

1 inch = 2 miles



Date: February 15, 2024
 Author: LCS





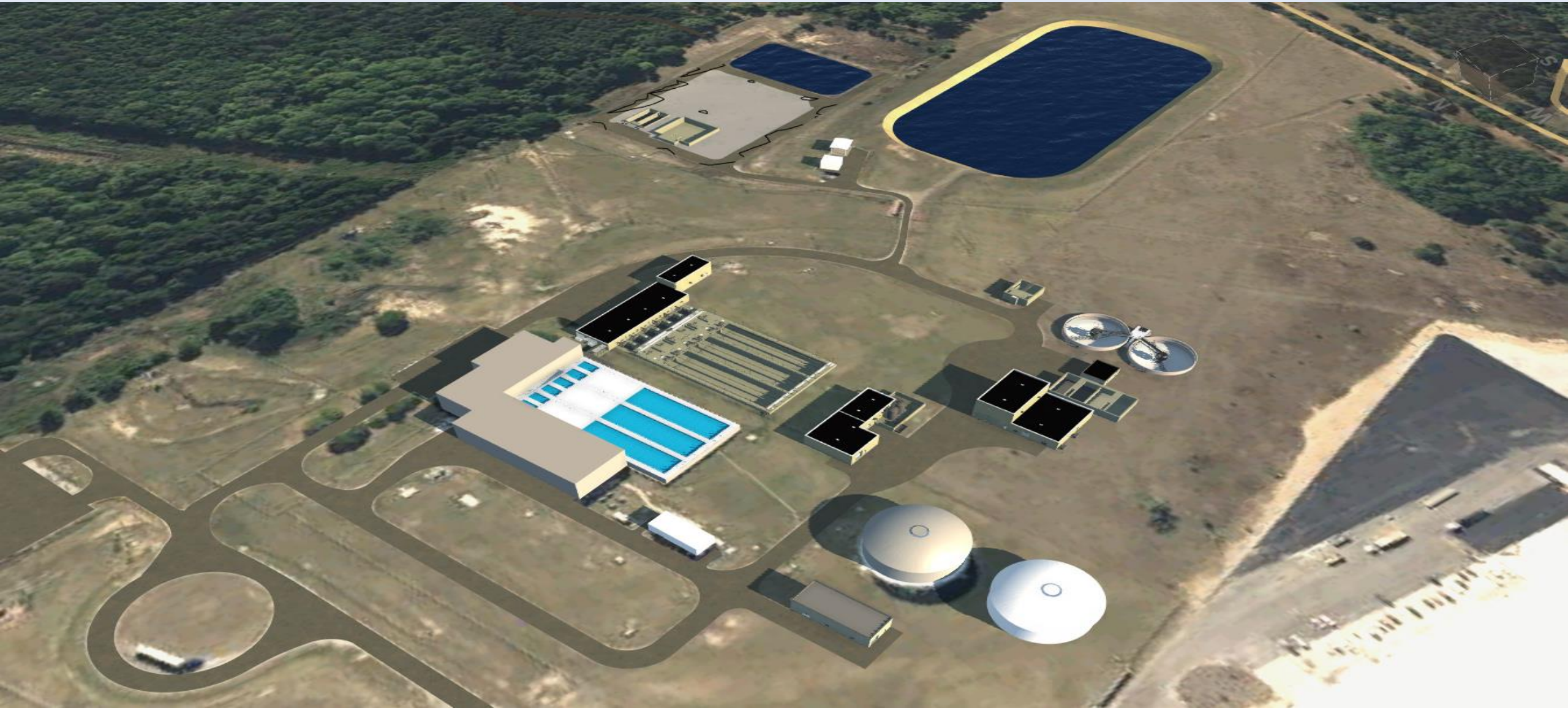
Peak Water Storage & System Pressure Stabilization

Maximum 8.1 million gallons of storage capacity with 14 elevated tanks and one – two million gallon clear-well





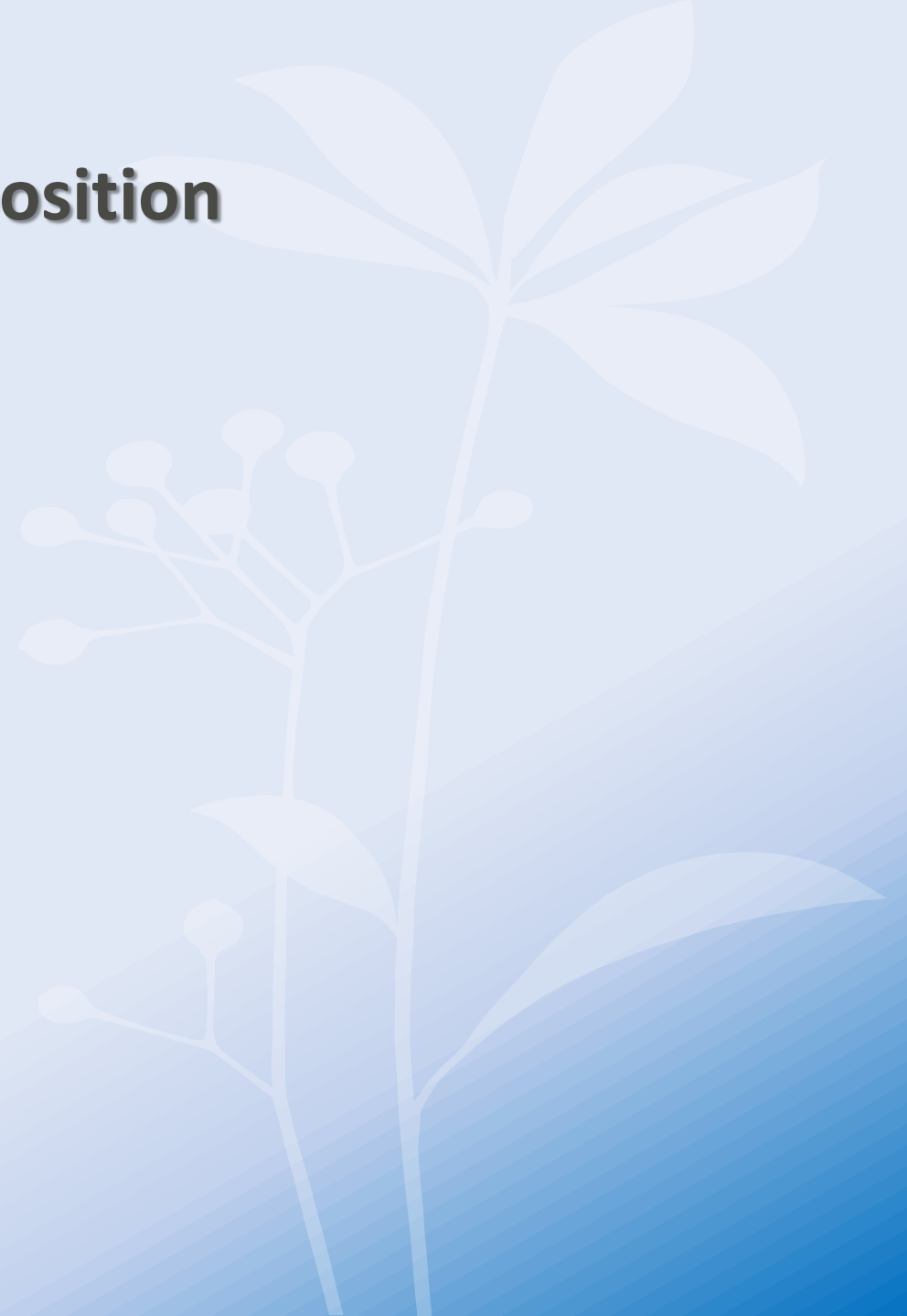
SWTP Expansion Project





System Billing Composition

- Inside City Limit Customers – 41%
 - Residential – 13,952
- Outside Customers – 48%
 - Residential – 16,503
- Commercial / Industrial Customers – 11%
 - Inside – 2,296
 - Outside – 1,378





Advanced Metering Infrastructure (AMI)

- System will be 100 % AMI November 2024
 - Currently 72% of the system is presently metered by AMI units – 24,572 units



Current Permitted Capacity for Future Use

Residential Development – 4,300 units = 1.72 MG

Industrial / Commercial = 1.9 MG

Current Total Permitted Allocated Demand = 3.6 MG