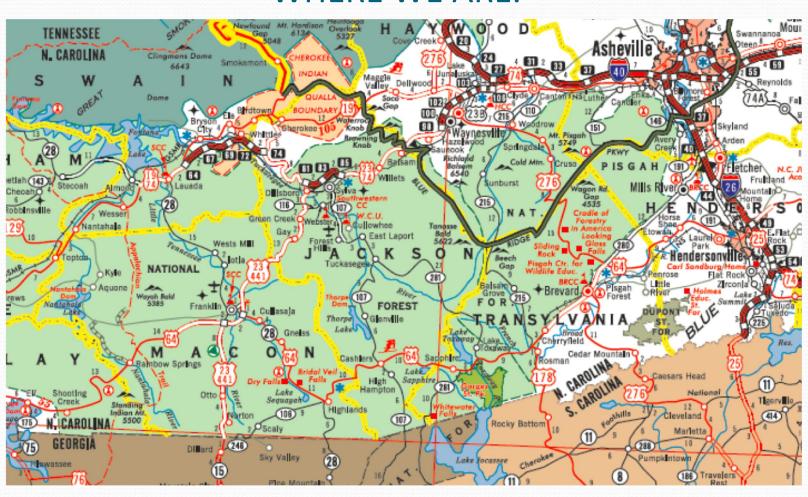


PRESENTATION TO THE STATE WATER INFRASTRUCTURE AUTHORITY Sept 21st ,2016

TUCKASEIGEE WATER AND SEWER AUTHORITY (TWSA) WHERE WE ARE.



TUCKASEIGEE WATER AND SEWER AUTHORITY (TWSA) WHAT WE DO!



 WE ARE TO BE A GOOD STEWARD OF THE WATER RESOURCES OF JACKSON COUNTY!

TUCKASEIGEE WATER AND SEWER AUTHORITY (TWSA) WHO WE ARE

- IN 1992- TWSA
 FORMED UNDER NC
 GS 162A Article 1
- FORMING ENTITIES
 - DILLSBORO
 - SYLVA
 - WEBSTER
 - JACKSON COUNTY
 - WCU

TUCKASEIGEE WATER AND SEWER AUTHORITY (TWSA) WHO WE ARE

GOVERNING BOARD

1 SEAT-DILLSBORO

1 SEAT-WEBSTER

3 SEATS- SYLVA

2 SEATS- JACKSON COUNTY

• 1 SEAT-WCU

EMPLOYEES

29 IN 4 DEPARTMENTS

MIKE FITZGERALD (C)

TRACY RODES

HAROLD HENSLEY

BRENDA OLIVER (VC)

DAVID NESTLER

MARK JONES

JOE WARD

MIKE BYERS

TUCKASEIGEE WATER AND SEWER AUTHORITY (TWSA) WHO WE SERVE AND HOW WE SERVE THEM

- WATER SYSTEM 1.5 MGD CAPACITY; +/- 79 MILES OF MAINLINES, 9 TANKS STORING 2.16 MG
 - CUSTOMERS USED +/- 0.900 MGD AVG DAILY-2015
 - CUSTOMERS ON TWSA OWNED LINES- 2625
 - CUSTOMERS ON OTHER LINES- 10
- **SEWER SYSTEM-** 4.2 MGD CAPACITY- +/- 40.0 MILES OF MAINLINES, 24 PUMP STATIONS.
 - CUSTOMERS USED +/- 1.02 MGD AVG DAILY-2015
 - CUSTOMERS ON TWSA OWNED LINES- 266 + 2330
 - CUSTOMERS ON OTHER LINES- 37

TUCKASEIGEE WATER AND SEWER AUTHORITY (TWSA) BUDGET- FY 2016-17

REVENUES-

\$ 4.350 M

FROM SALES

\$ 3,822

OTHER REVENUES \$ 0.187

FROM RESERVES

\$ 0.341

EXPENSES-

\$ 4.350 M

ADMINISTRATION

\$ 1.504 M (\$0.643DEBT SERVICE)

MAINTENANCE

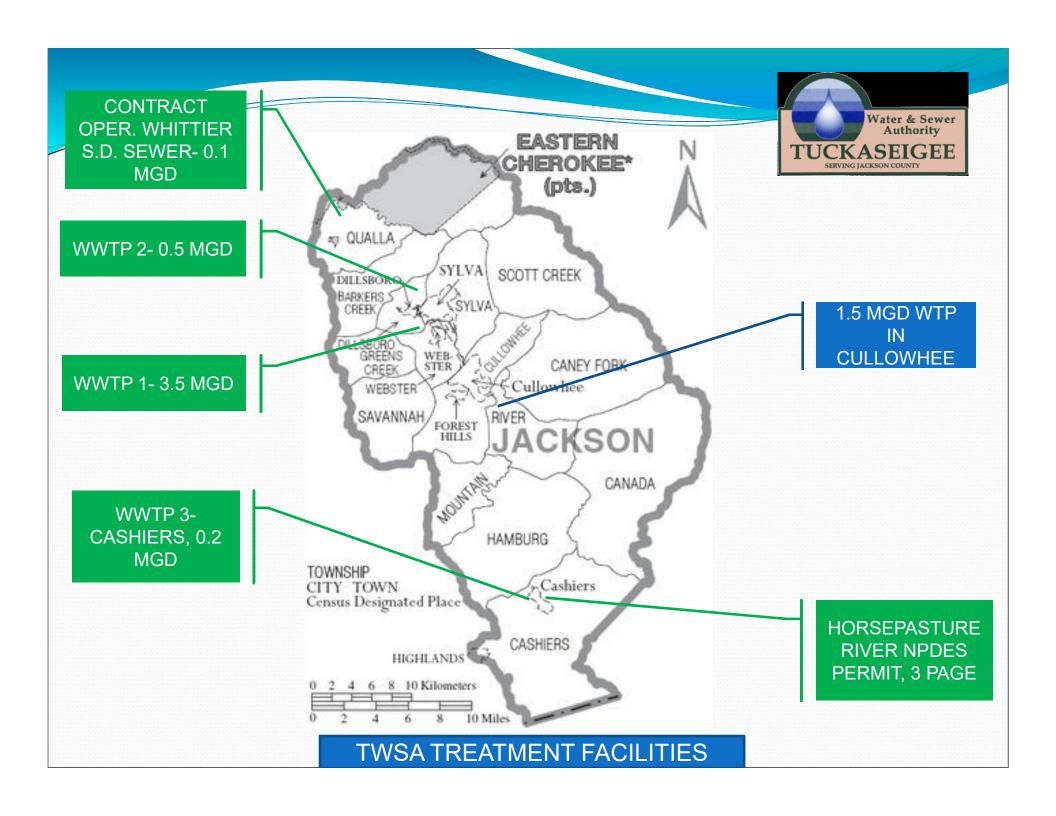
\$ 0.983

WASTEWATER

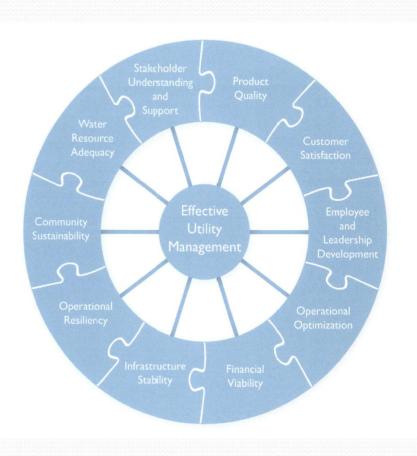
\$ 1.107

WATER

\$ 0.756



TUCKASEIGEE WATER AND SEWER AUTHORITY (TWSA) GOAL: "EFFECTIVE UTILITY MANAGEMENT"



TEN ATTRIBUTES IN EUM PRIMER

- PRODUCT QUALITY
- CUSTOMER SATISFACTION
- EMPLOYEE / LEADERSHIP DEV.
- OPERATIONAL OPTIMIZATION
- FINANCIAI VIABILITY
- INFRASTRUCTURE STABILITY
- OPERATIONAL RESILIANCY
- COMMUNITY SUSTAINABILITY
- WATER RESOURCE ADEQUACY
- STAKEHOLDER
 UNDERSTANDING & SUPPORT
 (2011; EPA, WEF, AWWA, APWA, AMWA, NACWA, NAWC)

TUCKASEIGEE WATER AND SEWER AUTHORITY (TWSA) CHALLENGES

- BLENDED SYSTEM
 - PORTION OF AREA IS RURAL (73%)
 - PORTION OF AREA IS URBAN (27%)
- AGING INFRASTRUCTURE
- GEOGRAPHY AND GEOLOGY
- COMPETITION FOR RESOURCES
 - SUSTAINMENT OF EXISTING ASSETS
 - EXPANSION OF SYSTEM
- COMPETITION FOR FUNDING

TUCKASEIGEE WATER AND SEWER AUTHORITY (TWSA) AREAS OF FOCUS

- ASSET MANAGEMENT & GIS SYSTEM IMPROV.
- PROJECT PLANNING & SYNCRONIZATION
 - COMMUNITY PLANNING EFFORTS DRIVE NEEDS FOR WATER / SEWER SERVICES
- WATER SUPPLY PLANNING INC. SOURCE WATER PROTECTION, UNACCOUNTED FOR WATER AND METER REPLACEMENTS
- CASHIERS WWTP— DESIGN & CONSTRUCTION
- WHITTIER WW SYSTEM OWNERSHIP & OPS.
- CASHIERS WATER SYSTEM OWNERSHIP (CONSOLIDATION)

TUCKASEIGEE WATER AND SEWER AUTHORITY (TWSA) AREAS OF FOCUS

- "ECONOMIC DEVELOPMENT" AND HOW TO BE RESPONSIVE TO EXISTING AND NEW CUSTOMERS.
 - SEWER TRANSFER POLICY
 - ECON. DEVELOPMENT & OUTREACH POLICY
 - CAPACITY RENTAL POLICY
- CORRECT MIX OF "SUSTAINMENT" OF EXISTING ASSETS VERSUS "EXPANSION" OF SYSTEM THROUGH NEW CONSTRUCTION.
- ABILITY TO SERVICE DEBT AND CONTROL RATES.

TUCKASEIGEE WATER AND SEWER AUTHORITY (TWSA) AREAS OF FOCUS

- INCREASED FOCUS ON ADMINISTRATIVE FUNCTIONS AT TWSA.
 - EMERGING TECHNOLOGY
 - SUCCESSION PLANNING
- CONTINUE EFFORTS TO ESTABLISH AND MAINTAIN RELATIONSHIPS WITH COMMUNITY.
 - EDUCATION AND OUTREACH
 - PARTNERING

TUCKASEIGEE WATER AND SEWER AUTHORITY (TWSA) RECENT PROJECTS FUNDED THROUGH NCDEQ SUPPORT

- DILLARDTOWN WATER SYSTEM CONSOLIDATION \$0.832M
- DILLARDTOWN SEWER SYSTEM EXTENSION \$0.560M
- UNIVERSITY HEIGHTS AND RIVERPARK MHP WATER SYSTEM CONSOLIDATION \$2.696M
- ASSET INVENTORY AND ASSESSMENT- WATER \$0.0748M
- ASSET INVENTORY AND ASSESSMENT-WASTEWATER \$0.0752M

TUCKASEIGEE WATER AND SEWER AUTHORITY (TWSA)

- WE WANT TO EXPRESS APPRECIATION TO THE STATE WATER INFRASTRUCTURE AUTHORITY AND THE STAFF IN THE DIV. OF WATER INFRASTRUCTURE FOR LISTENING!
- IT IS OBVIOUS THERE IS A DELIBERATE PLAN TO ADDRESS EMERGING NEEDS IN THE WATER AND SEWER COMMUNITY, EXAMPLES-
 - ASSET INVENTORY AND ASSESSMENT GRANTS
 - MERGER / REGIONALIZATION FEASIBILITY GRANTS
 - REGIONAL TRAINING AND MEETINGS
 - STANDARDIZATION OF PROCESSES AND DOCUMENTS

TUCKASEIGEE WATER AND SEWER AUTHORITY (TWSA)

WE ENCOURAGE YOU TO BUILD ON THESE RECENT PROGRAM CHANGES AND HELP THE LOCAL SYSTEMS ACHIEVE THE INDUSTRY GOAL,

..........."EFFECTIVE UTILITY MANAGEMENT"

TUCKASEIGEE WATER AND SEWER AUTHORITY (TWSA)

QUESTIONS OR DISCUSSION?