

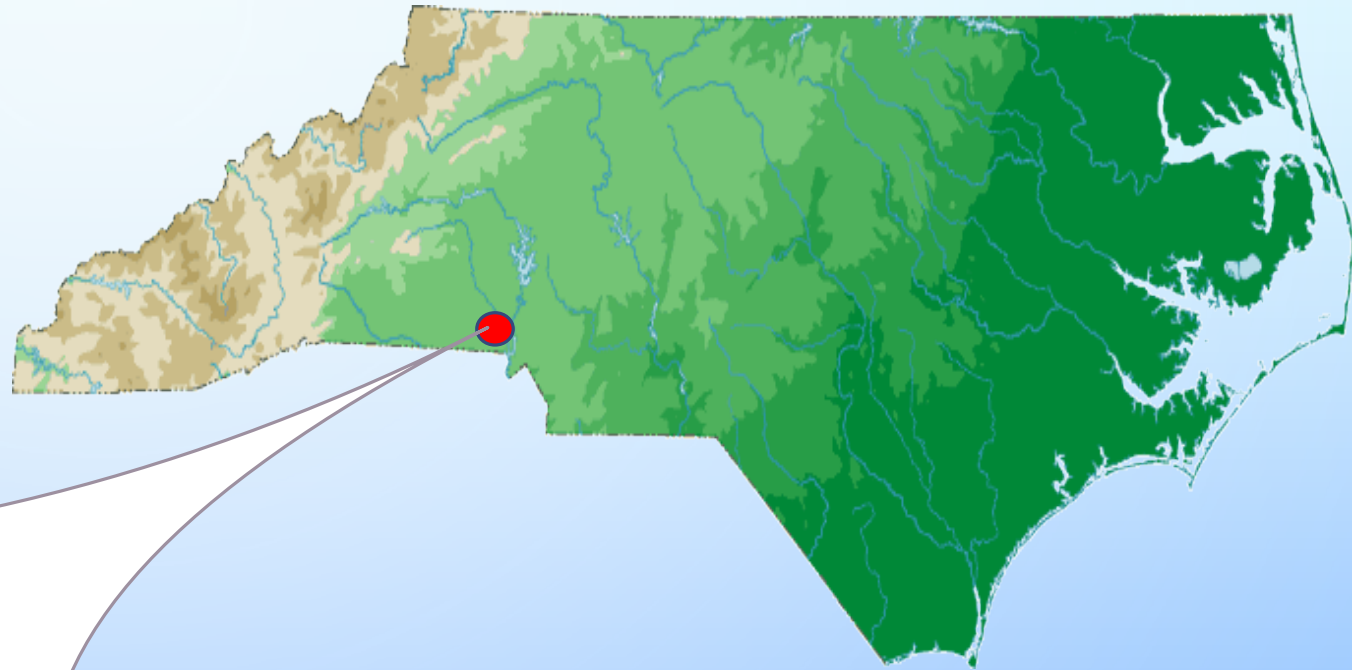


We are TRU to our customers!

# WATER & SEWER SYSTEM REGIONALIZATION



We are TRU to our customers!



# TWO RIVERS UTILITIES ENVIRONMENTAL MANAGEMENT SYSTEM



2001

- ISO 14001 Certification



2004

- Biosolids Resource Recovery Farm designated as ESI Rising Steward



2005

- Long Creek Wastewater Treatment Plant attained ESI Steward Designation



2009

- Water Treatment Plant attained ESI Steward Designation



2009

- Crowders Creek Wastewater Treatment Plant attained ESI Steward Designation

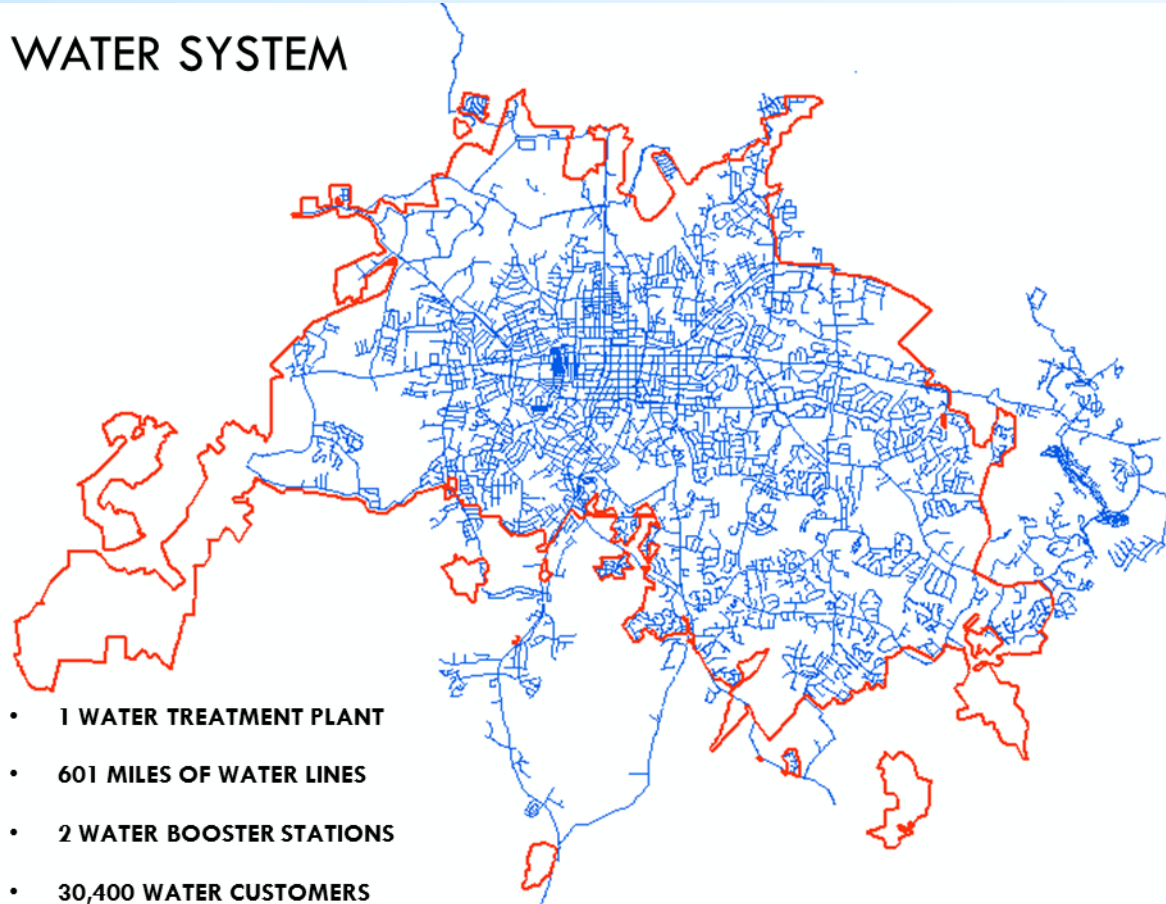


Current

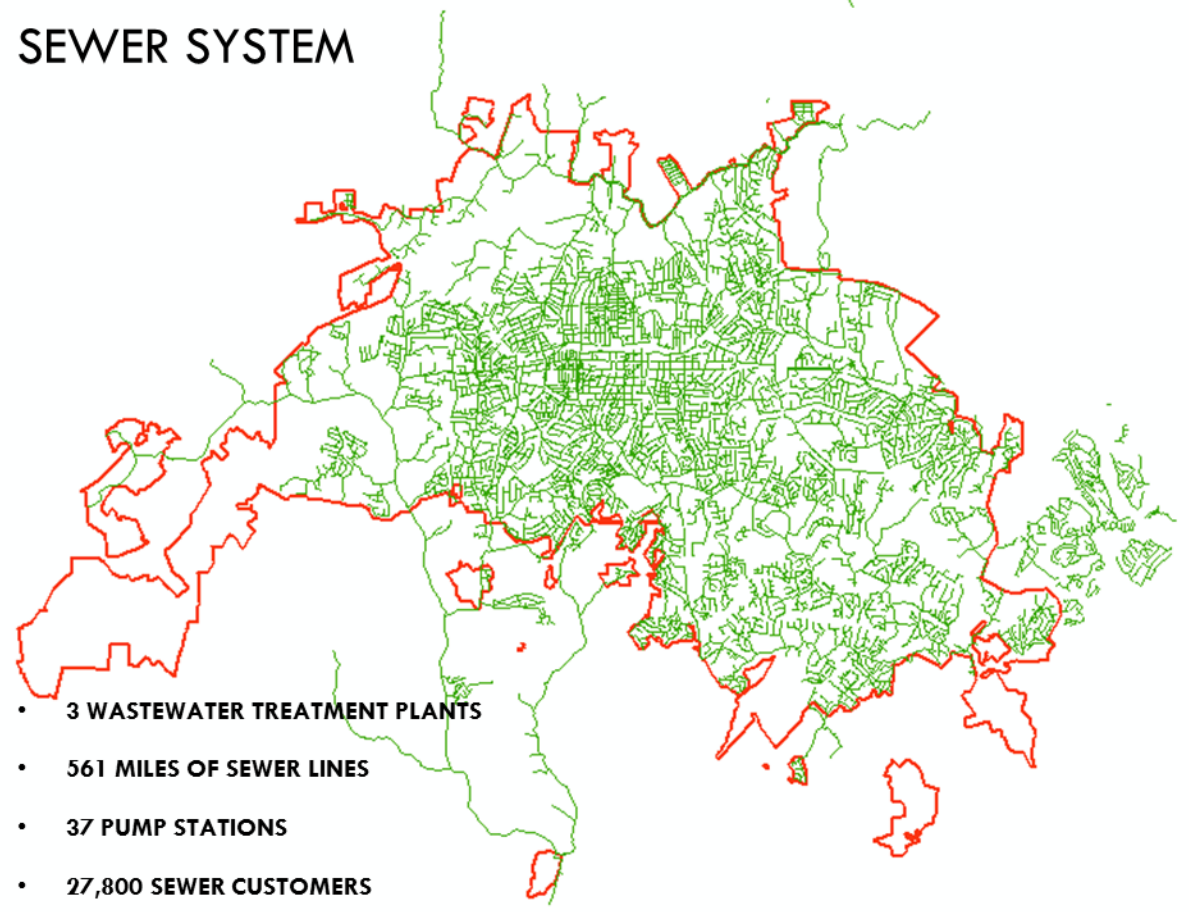
- Increasing participation at Resource Recovery Farm & Eagle Road Wastewater Treatment Plant

# TWO RIVERS UTILITIES

## WATER SYSTEM



## SEWER SYSTEM



# TYPES OF REGIONALIZATION

- MASTER METER / BULK SALES
- CONTRACT OPERATIONS
- FULL CONSOLIDATION

Utility A



Utility B

# TWO RIVERS UTILITIES SERVICE AREA

## FULL CONSOLIDATION

- CRAMERTON

## BULK SALES & CONTRACT OPERATIONS

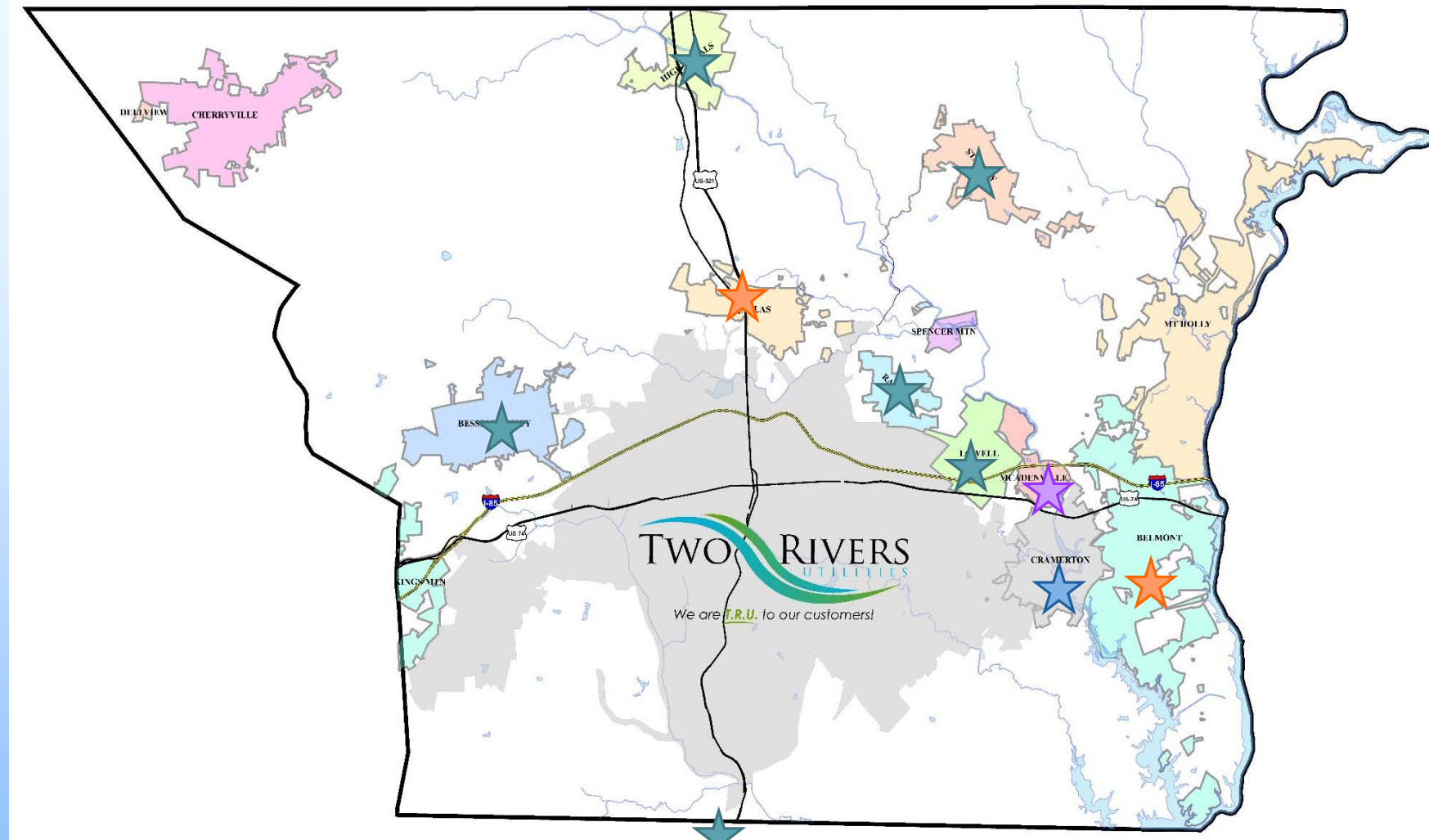
- MCADENVILLE

## BULK CUSTOMERS

- BESSEMER CITY
- RANLO
- LOWELL
- STANLEY
- KINGS MOUNTAIN
- CLOVER, SC

## EMERGENCY CONNECTIONS

- DALLAS & BELMONT



# CONSIDERATIONS & BENEFITS

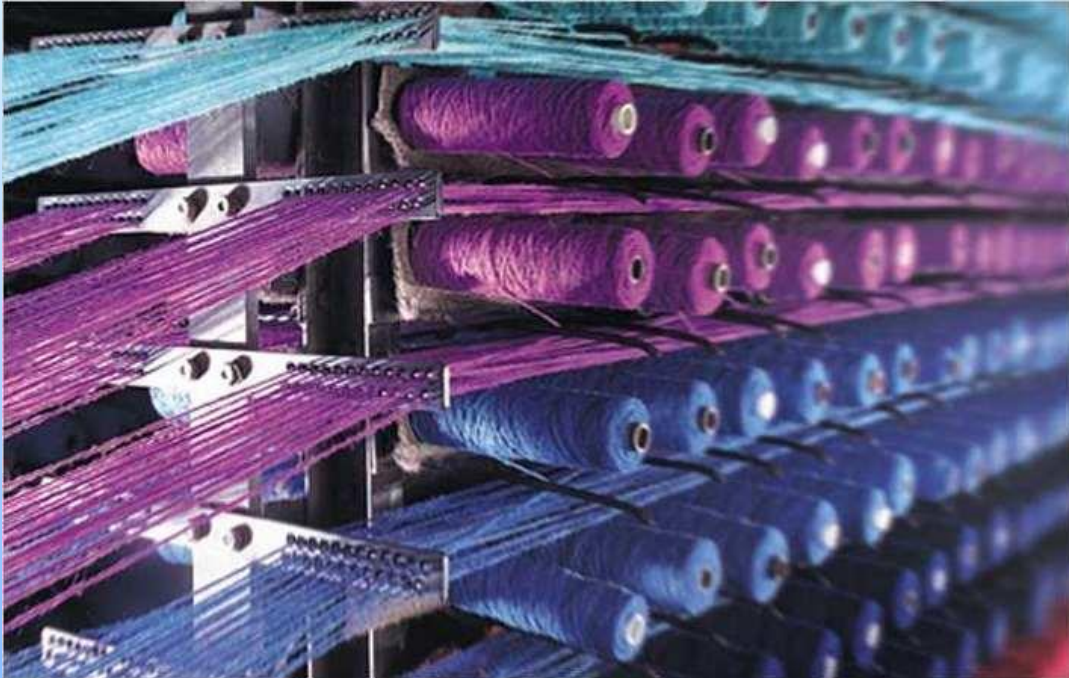
## CONSIDERATIONS

- MUST BE MUTUALLY BENEFICIAL
- DESIRE FOR AUTONOMY
- TRUST
- ENVIRONMENTAL PERFORMANCE
- FISCAL OUTLOOK

## BENEFITS

- REDUCE THE NUMBER OF WATER AND WASTEWATER TREATMENT PLANTS
- REDUCE NEGATIVE ENVIRONMENTAL IMPACTS
- FEWER PERMITTED SYSTEMS
- HELP SMALLER COMMUNITIES REMAIN SOLVENT
- KEEP W&S RATES REASONABLE

# WHY IS TWO RIVERS PURSUING REGIONALIZATION?



- TEXTILE HISTORY
- EXCESS WATER AND WASTEWATER PLANT CAPACITY
- REGAIN ECONOMY OF SCALE
- KEEP RATES LOW
- REDUCE ENVIRONMENTAL IMPACTS

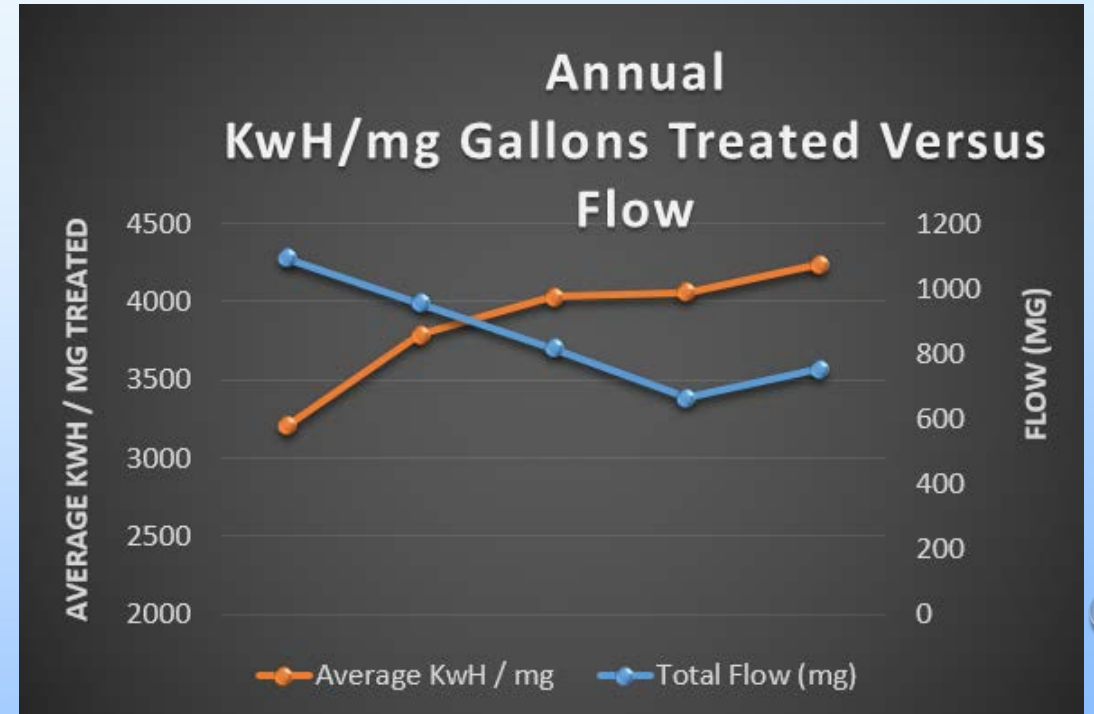


# CRAMERTON WATER & SEWER CONSOLIDATION

- WATER & SEWER RATE REDUCTION FOR CRAMERTON CUSTOMERS
- GASTONIA GAINED A WASTEWATER TREATMENT PLANT
- ALLOWS SOUTH EAST AREA OF GASTON COUNTY TO GROW



# ENVIRONMENTAL BENEFITS IN REDUCING THE NUMBER OF WATER AND WASTEWATER PLANTS



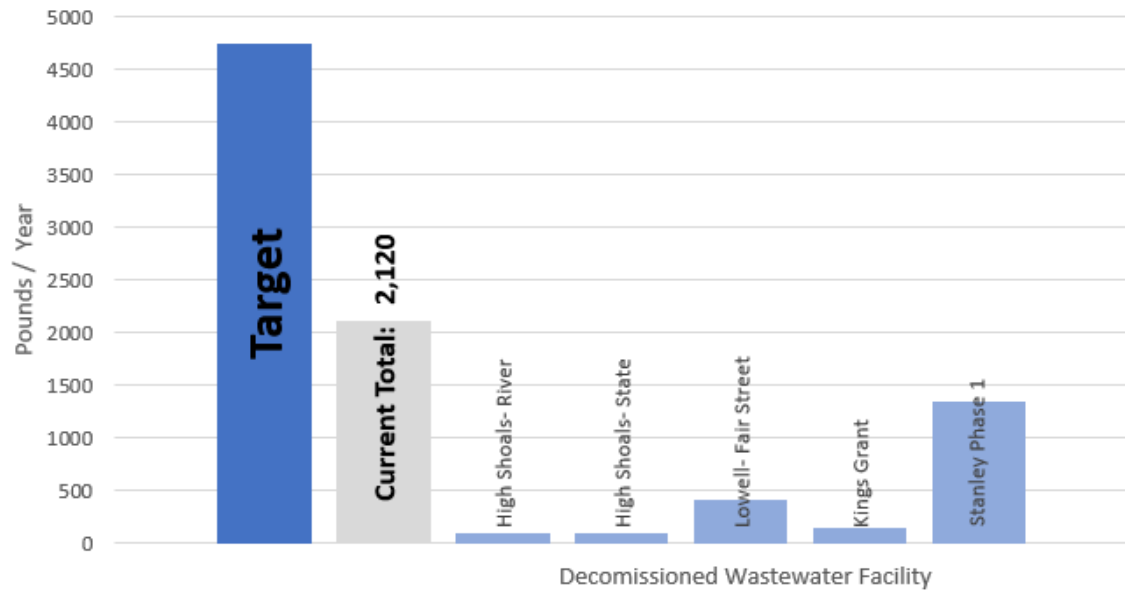
# ENVIRONMENTAL BENEFITS OF SEWER CONSOLIDATIONS

- FAILING SYSTEM...?
- CONTRACT OPERATING WASTEWATER PLANT UNTIL SEWER INFRASTRUCTURE IS BUILT
- INCREASED COMPLIANCE WITH NPDES PERMITS
- REDUCED NEGATIVE IMPACTS TO RECEIVING STREAMS

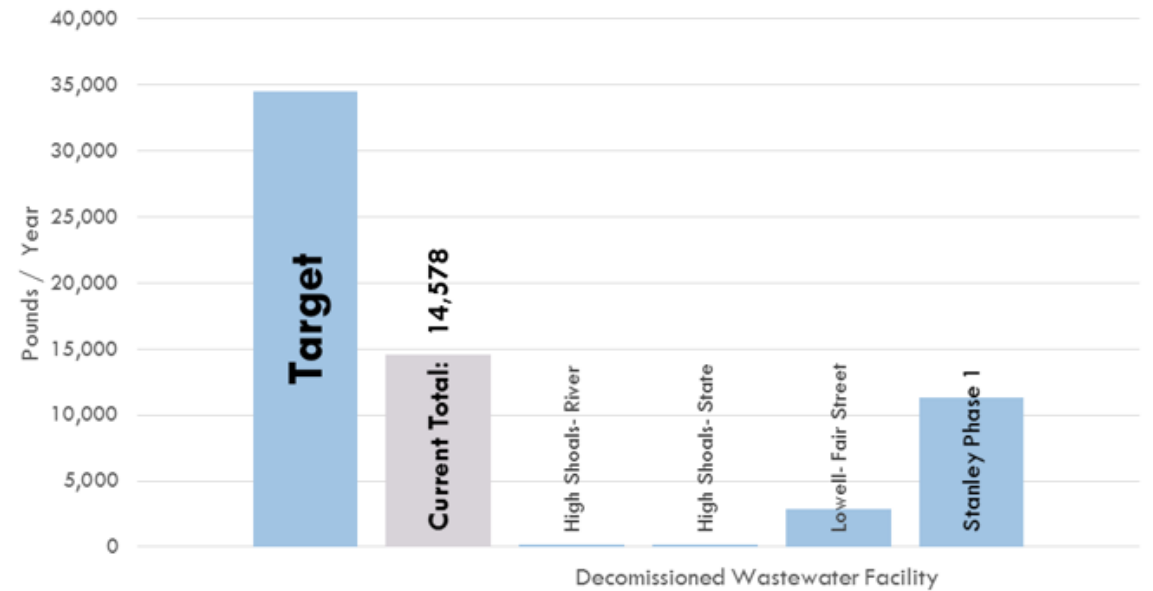


# ENVIRONMENTAL GOALS OF SEWER CONSOLIDATIONS

### Total Phosphorus Discharge Reduction to South Fork Catawba River

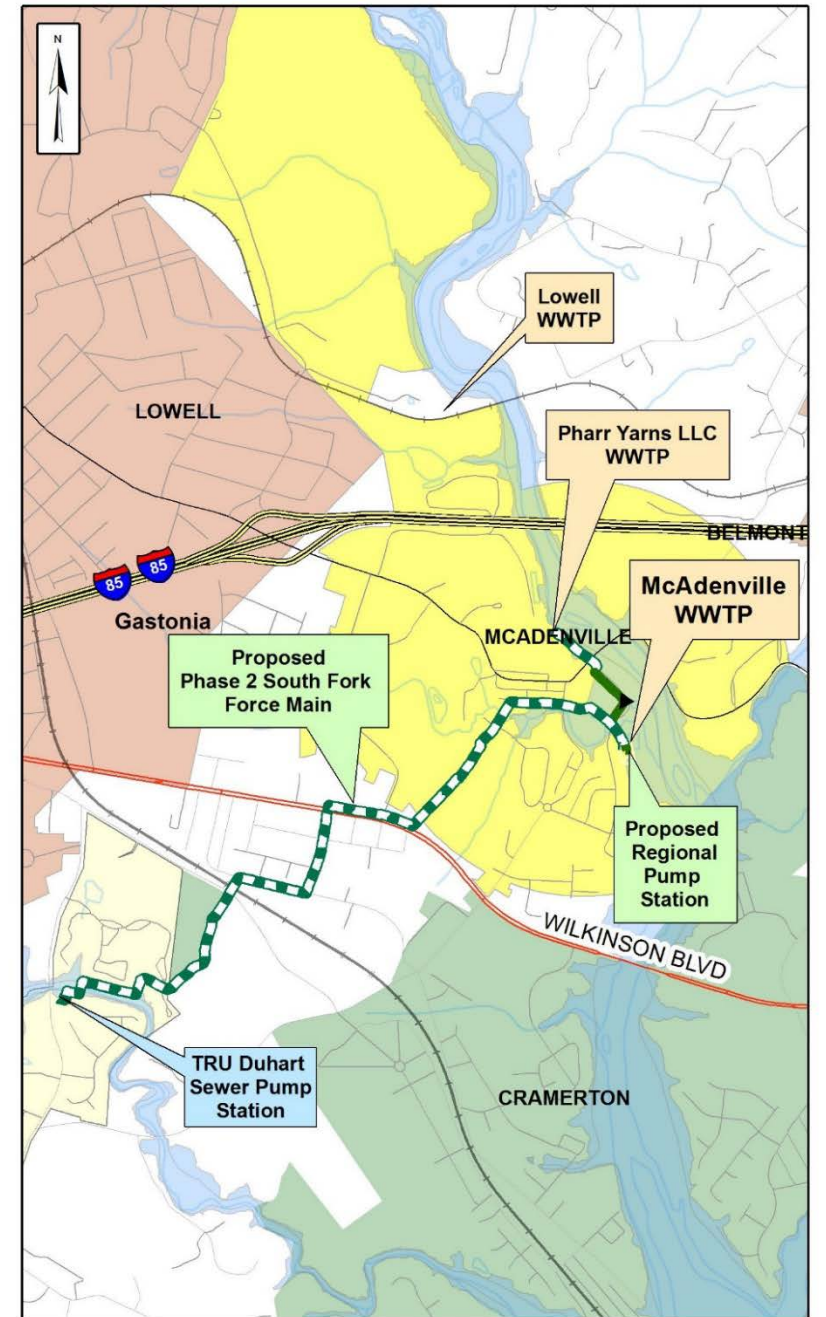


### Total Nitrogen Discharge Reduction to South Fork Catawba River



# SOUTH FORK SEWER PHASE II PROJECT

- CLOSE TWO AGED WASTEWATER PLANTS
  - PHARR YARNS INDUSTRIAL PLANT
  - TOWN OF MCADENVILLE MUNICIPAL PLANT
- SETS THE STAGE FOR TOWN OF LOWELL WASTEWATER TREATMENT PLANT TO TIE ON
- PROVIDES FOR GROWTH
- IMPROVES ENVIRONMENTAL PERFORMANCE
  - NITROGEN REDUCTION 9,300 LB/YR
  - PHOSPHORUS REDUCTION 1,100 LB/YRR



# FUNDING OPPORTUNITIES

- NC DEQ DWI – ASSET & INVENTORY ASSESSMENT GRANTS FOR WATER AND SEWER
  - TWO RIVERS UTILITIES AWARDED \$150,000 FOR WATER & \$150,000 FOR SEWER
  - TOWN OF MCADENVILLE BEING INCLUDED
- NC DEQ DWI – MERGER / REGIONALIZATION FEASIBILITY GRANTS
- COMMUNITY DEVELOPMENT BLOCK GRANTS
- STATE REVOLVING LOANS
- OTHER...



**THANK YOU**

STEPHANIE SCHERINGER

DIVISION MANAGER WASTEWATER TREATMENT

