



**CATAWBA  
WATERREE**  
WATER MANAGEMENT GROUP

# Catawba-Waterree Water Management Group Collaborating for Success

S.C. Water Plan Symposium  
May 31, 2018

Barry Gullet, PE

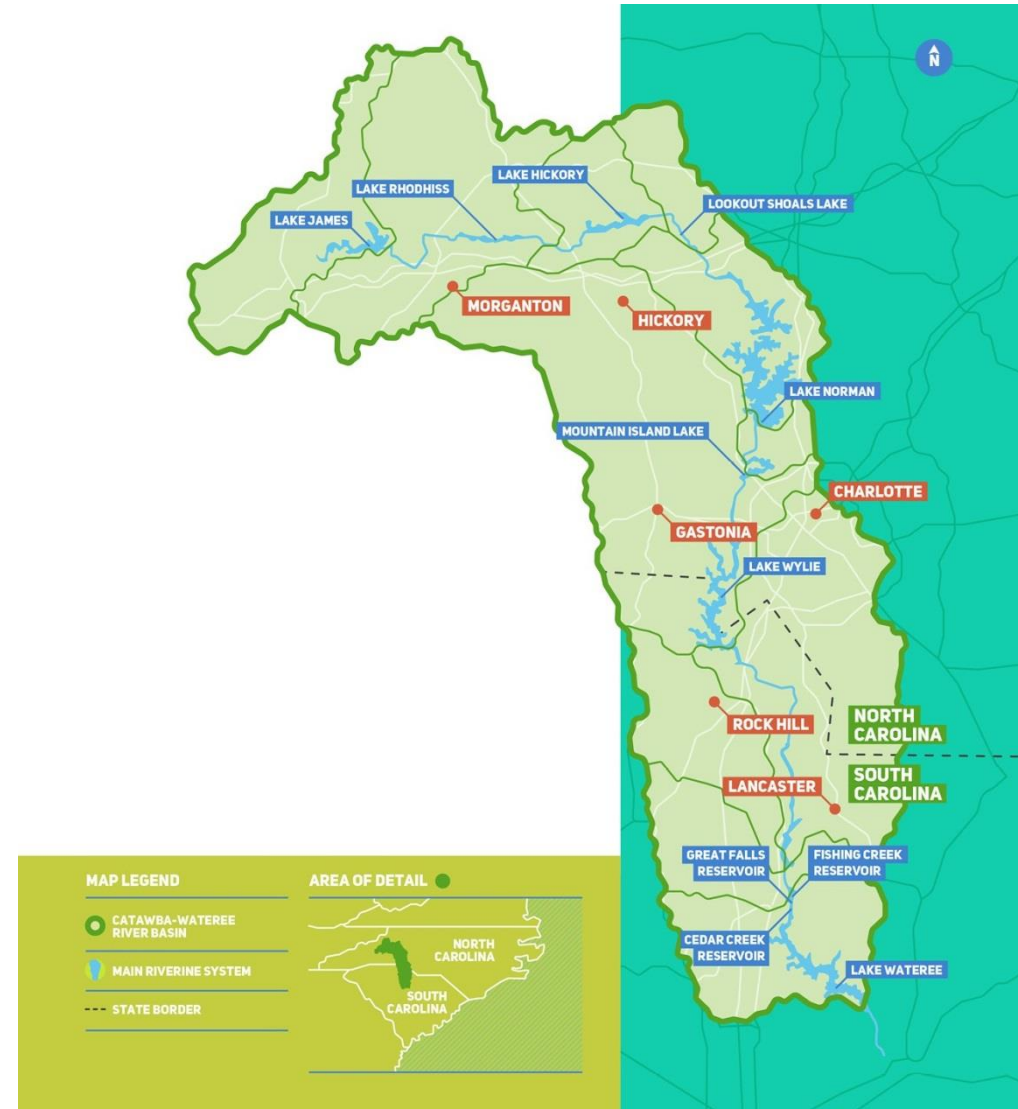


**Catawba-Wateree Water Management Group** is a non-profit corporation working to extend and enhance the capacity of the Catawba and Wateree Rivers to meet human needs while maintaining the ecological health of the waterway

[www.catawbawatereewmg.org](http://www.catawbawatereewmg.org)

# Our Basin, Our Team

- Approximately 2 million people
- 4,750 Square miles
- 220 River miles
- 11 Interconnected reservoirs
- 13 Hydropower stations
- Nuclear & coal power stations
- 18 Public water suppliers
- Duke Energy
- Diverse Advisory Committee
- Expert consultants and advisors



# Built on Collaboration

- Started with Duke Energy process to develop Comprehensive Relicensing Agreement (CRA)
  - Six regional stakeholder teams
  - 160+ participants
- Emphasis & training for stakeholders around mutual gains negotiation
- Water withdrawal fee proposal from Duke Energy
- Counter proposal from water utilities to create Water Management Group
- Duke Energy and water utilities negotiated
- All parties/stakeholders negotiated CRA provisions



# Membership

## Our Members

**Catawba River Water Treatment Plant (Union County, NC; Lancaster County Water & Sewer District, SC)**

**Chester Metropolitan District, SC**

**City of Belmont, NC**

**City of Camden, SC**

**City of Charlotte, NC**

**City of Gastonia, NC, Two Rivers Utilities**

**City of Hickory, NC**

**City of Lenoir, NC**

**City of Morganton, NC**

**City of Mount Holly, NC**

**City of Rock Hill, SC**

**City of Statesville, NC**

**Duke Energy Carolinas, LLC**

**Lincoln County, NC**

**Lugoff-Elgin Water Authority, SC**

**Town of Granite Falls, NC**

**Town of Long View, NC**

**Town of Mooresville, NC**

**Town of Valdese, NC**

# Organization Background

- Incorporated as a 501(c)(3) in December 2007
- By-laws set forth governance and operational structure
- All eligible organizations are members in good-standing
- Annual budget \$550,000+ from dues supplemented by grants
- 5-Member Board of Directors elected annually
- Voluntary – not regulatory - organization

# Our Work

## We are committed to work based on:

- **Sound science**
- **Practical engineering**
- **Existing technology**
- **Sustaining quality of life and economic viability for the region**

We deliver on this Mission through an Annual Strategic Focus



Leverage strategies of the WSMP to effectively protect, preserve and increase awareness of our water supply, and encourage practices that support extending our supply into the next century.



Identify and execute a series of research and technical projects that directly serve CWWMG members and address regional issues requiring leadership and vision.



Promote CWWMG's brand, visibility and reputation by providing the highest quality research, data and support, and communicating often with a wide range of community partners.

# Keys to Successful Collaboration

- Clear purpose
- Shared values and goals
- Engaged, interested (but not over-tasked) members
- Valuable, important, and timely achievements
- Projects based on needs of collective membership
- Open communication
- Funding needs and workload shared fairly and proportionately
- Recognizing “one size doesn’t fit all”
- No single entity dominating with their own agenda



# Broader Perspectives

- Advisory Committee
  - Individual feedback
  - External perspectives
  - Support CWWMG's mission
  - Strictly advisory in nature
- 5-Year Self-Assessment

## CWWMG Advisory Committee



# Establish Communications Network

- Basin Wide Advisory Committee Established
  - Diverse interests and input
  - Communication linkage to other constituencies
- Strategic Communication Plan
  - Framework and tactics for members and CWWMG to use for messaging
- Annual Summit
  - First event focused on nexus between water and economic development
  - More than 100 participants in all-day event
- Branding materials, website, videos
  - Provide tools for members, recognition for CWWMG

# Partner with Other Water Organizations

- Leverages member dues and experience
- Expands boundaries of CWWMG efforts and results
- Support creation of Yadkin-Pee Dee Water Management Group
- Convene meetings with other Basin Planning Organizations
- Understand and collaborate on common issues and goals

# Funding Partners & Projects

- **USGS** – Ground water level monitoring network
- **NCDEQ, SCDNR, Duke Energy Foundation** – Basin-wide hydrologic modeling
- **Water Research Foundation** – Improving safe yield; prioritizing land conservation
- **US Forestry Endowment** – prioritizing land conservation
- **Duke Energy Carolina** – Smart irrigation project, water audit workshop
- **South Fork Catawba Water Quality Alliance** – transferred funds upon dissolution
- **Carolina Land and Lakes Resource Conservation and Development Council** – Lake Rhodhiss nutrient study
- **SC Rural Water Association** – training workshops

# Consulting / Research Partners



- Kearns & West
  - McKim & Creed
  - HDR Engineering
  - Black & Veatch
  - Cavanaugh & Associates
  - Lee Institute
  - Jacobs Engineering
  - Maddaus Water Management\*
  - Jon Knight, PhD\*
  - UNC-Charlotte\*
  - Clemson University\*
  - Corona Environmental Consulting\*
  - Tamco-BV\*
  - Jordan, Jones, and Goulding
  - RTI International
  - United States Geological Survey (USGS)
  - North Carolina State University (NCSU)
  - Centralina Council of Governments
  - Western Piedmont Council of Governments
  - Satelytics\*
  - Tedderfarm Consulting\*
- \*Subconsultant



# Business / General Services Partners

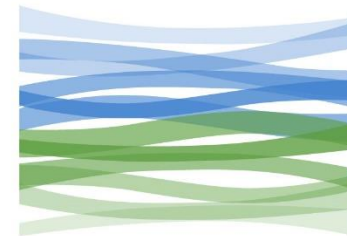
- Robinson Bradshaw and Hinson (legal support)
- C. DeWitt Foard and Company (financial audits)
- BigNoise, Inc. (initial website development)
- Hartford Insurance Company
- Hanover Insurance Company
- Truliant Federal Credit Union
- Wells Fargo Bank

# Examples of Success

- **Water Supply Master Planning – Reducing threats to safe and sufficient water supply**
  - Extend supply capacity from 2050 through 2100
  - On-going process
- **Proactive planning and response to water supply shortages**
  - Raw water intake contingency planning
  - Benchmark conservation practices
- **Reducing water loss – regional water audit program**
  - Assist utilities with planning and implementing non-revenue water audits
- **Understand issues that impact water supply**
  - Sedimentation monitoring
  - Water quality impacts on drinking water and treatment needs

# Looking Ahead – Issues on the Horizon

- Succession planning for the organization
- Consideration of including additional member organizations
- Evaluate financial needs, opportunities
- New initiatives
  - Citizen's Leadership Academy
  - Next phase(s) of Water Supply Master Planning process
  - Updates to Master Planning
  - Implementation of on-going projects



CATAWBA  
WATER  
WATER MANAGEMENT GROUP

Questions?