



## Source Water Protection Award NOMINATION FORM

**Eligibility:** Any individual, group, organization, or agency who engages in coordinated activities to protect drinking water at its source may be eligible for an award.

Projects can include, but are not limited to, efforts related to water conservation, water system upgrades, wellhead protection, regional water planning, legislation/ordinances, stream cleanups, buffer restoration, education and outreach programs, household hazardous waste or pharmaceutical collection, land preservation, and installation of rain gardens or cisterns.

**Deadline for Submission:** December 1<sup>st</sup> of a given year

***Source Water** is untreated water from streams, rivers, lakes, and aquifers that serves as a source of drinking water.*

**Submission Requirements:** Completed Nomination Form, a one-page project description or leadership summary and any Nomination Supporting Materials (described below). **Electronic submittal is preferred.**

**Nomination Supporting Materials:** Provide materials that describe and document the source water protection project. Examples of supporting materials may include, but are not limited to, summaries of water quality data, source water assessment report, source water protection plan abstracts, local ordinances, as well as, photos, videos, and news articles. In preparing these materials, you may find it useful to refer to the Awards Category and Criteria document which describes the award categories and the criteria on which projects will be evaluated. Please limit your supporting materials to a maximum of 10 pages and include web links where available.

**Submit To:** **N.C. Source Water Collaborative – Awards Program**  
**Attn: Rebecca Sadosky**  
**1634 Mail Service Center**  
**Raleigh, NC 27699-1611**  
**Rebecca.Sadosky@ncdenr.gov**

The N.C. Source Water Collaborative is a statewide partnership made up of participants from non-profit organizations, universities, state, local, and federal agencies, professional associations, and regional councils of government. Our mission is to support strategies designed to preserve the lakes, streams, rivers, and aquifers used for drinking water and the land that protects and recharges these sources of water.



Source Water Protection Award
NOMINATION FORM continued

Nominee: Catawba-Wateree Water Management Group

Nominee is (Check all that apply.) Individual Group Organization Agency Other 501(c)(3)

Project Title: Catawba-Wateree River Basin Water Supply Master Plan

Which of the following award categories are relevant to the nomination? (Check all that apply.)

Surface Water Planning Groundwater Planning Education
Surface Water Implementation Groundwater Implementation Leadership

Nominee Contact:

Name: Jeff Lineberger, PE, c/o Duke Energy

Title: Secretary/Treasurer

Mailing Address: 526 S. Church St., Mail Code EC12Y

City: Charlotte State: NC Zip: 28202

Tel: (704) 382-5942 FAX: ( )

Email: jeff.lineberger@duke-energy.com

Was the project undertaken in response to an enforcement action? (Check one.) Yes No

Where did you hear about the N.C. SWC Source Water Protection Award Program?

UNC Water Resources Research Institute

We anticipate that Awards will be presented at the North Carolina Water Resources Annual Symposium in association with the Water Resource Research Institute Conference in Raleigh. You do not have to be present to win. If you are unable to attend the awards presentation, we will make efforts to present your award at a time and location that is more convenient for you.

Questions?

Rebecca Sadosky • NCDWR Public Water Supply Section
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# Source Water Protection Award Application – One-page Summary

## Catawba-Wateree Water Management Group



### Catawba-Wateree River Basin Water Supply Master Plan

Protect and preserve our available water supply and extend it into the next century

Communities along the hardest working river in the Carolinas have an approaching problem. Without significant effort to manage water consumption, this generation could see a time when there won't be enough water flowing in the Catawba-Wateree River to support more people moving into the heart of North or South Carolina. Not enough water to support new jobs. Not enough water to produce more electricity to drive new industry. Not enough water to ensure the quality of life we currently enjoy.

The Catawba-Wateree Water Management Group worked with stakeholders for more than four years to address this complex issue. Through much collaboration, they designed a basin-wide Water Supply Master Plan that can help ensure the water supply will fully support the growing needs of the Catawba-Wateree region into the next century. Funding for development of the Master Plan was provided by the State of North Carolina, the State of South Carolina, the Duke Energy Foundation, and by the CWWMG through dues paid by its member organizations.

The Water Supply Master Plan is the most significant water supply management and planning endeavor undertaken in the Catawba-Wateree River Basin since original construction of the eleven-reservoir system in the 1900s. Once implemented, it will provide the following regional benefits:

- Dependable, resilient, regional water supply that can support more than two million people and a vibrant, growing economy.
- Efficient, balanced water use to produce electricity to power the region.
- Environmental protection in accordance with agreements developed during Duke Energy's Federal Energy Regulatory Commission hydro relicensing process.
- A shared regional vision and implementation plan for coordinated investments in the region's shared water future.

The Water Supply Master Plan includes:

- Input and guidance from a 19-member public stakeholder team representing environmental interests, lake users, various local governments and state agencies.
- Updated long-term water use projections in the Basin (to the Year 2065).
- Evaluation of numerous options to extend the available water supply.
- New long-term Basin-wide strategies to ensure sustainable water supplies for decades beyond current expectations.

Following publication of the Water Supply Master Plan in May 2014, the CWWMG undertook a public outreach effort that included a press release and over 70 presentations and other external communications. The CWWMG also sought and received resolutions of support for the Water Supply Master Plan from the governing bodies of each of the CWWMG members. This initial public outreach effort allowed for extensive input by other regional stakeholders regarding the Master Plan and resulted in publication of an addendum in June 2015 in an effort to capture the feedback received.

The Water Supply Master Plan is intended to be a living document, continually evolving to reflect the ever changing needs and circumstances of the region.

The complete plan and addendum is available at [www.catawbawatereewmg.org](http://www.catawbawatereewmg.org)

# Source Water Protection Award Application – Additional Supporting Material

## Catawba-Wateree Water Management Group

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experts from Colorado, Texas, North Carolina and Australia) gathered data on best practices for determining safe yield of shared water bodies. This panel of experts found that the method the CWWMG was using to determine safe yield was really the state of the art for multi-reservoir water supply systems. Also, because this Master Plan must account for so many types of uses, it really is a unique product.

### 5. Innovation

- a. Project is innovative/creative – As noted above, there wasn't a "go-by" that the CWWMG could pattern the Master Plan after; this is a unique, first-of-a-kind product. The Master Plan invested significantly in the CHEOPS™ water quantity model developed during the hydro relicensing process to improve its functionality and to make it useful to the states of North Carolina and South Carolina in their own efforts to develop basin-wide water quantity models. Also, the CWWMG itself represents an innovative approach to managing a shared water supply, including working across dozens of political jurisdictions and across industries rather than in silos, and fully embracing public-private partnerships as a means to fund necessary work that perhaps would have never been accomplished if each CWWMG member was limited to its own resources.
- b. Project addresses multiple interests/objectives – Due to the multi-use nature of the 11-lake system, any long-term plan for water supply management by definition has to meet multiple interests that are sometimes competing. As an example, the lake system and river have tens of thousands of "next door neighbors" many of whom have boat docks. When there is not enough water coming into the lake system to meet natural evaporation plus other consumptive uses, lake levels drop and boat docks as well as public and private boat access points can be negatively impacted. Such impacts to boating and navigation were some of the many factors the CWWMG considered in its design of initiatives to stretch the water supply. Also, the CWWMG adopted a philosophy that a successful Master Plan had to meet the needs of all its member utilities, regardless of where their water intakes or customers were located. The Master Plan is built on sound science and engineering, and effective communication was needed to sell the plan to the various political jurisdictions.

### 6. Transferability

- a. Outreach activities – As noted above, the CWWMG gave 70 presentations to public groups to describe the Master Plan and its benefits and to take feedback on the plan to improve it. A short video was also prepared to help spread communication about the Master Plan and is available on the CWWMG's website ([www.catawbawatereewmg.org](http://www.catawbawatereewmg.org)) along with the entire Master Plan and supporting information. It would be particularly helpful to view the video and scan the Executive Summary of the Master Plan. Also, several TV and newspaper stories were done on the Master Plan, and the Greater Charlotte Biz Magazine included an outstanding five-page article on the CWWMG and the Master Plan in its March/April 2015 edition (copies are available from the CWWMG if the awards committee would like them).
  - b. Shared lessons learned – Several members of the CWWMG have given presentations about the Master Plan at technical conferences across the Carolinas and other states. Since there are several inter-basin transfers of water between the Catawba-Wateree and Yadkin-Pee Dee River Basins, the CWWMG is also sharing information and lessons learned with the newly formed Yadkin-Pee Dee Water Management Group. The concepts employed in the Master Plan are transferable to most water supply systems, particularly those with multiple reservoirs and significant numbers of water users.
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