

**Location:**

December 13, 2022

9:00 AM – 12:00 PM

Pee Dee REC

Hybrid Meeting

**Action Items:**

1. **Pee Dee RBC members should choose an alternate to serve in their absence at RBC meetings. Alternates should represent the same interest sector as the RBC member.**
2. **SCDNR to look into question regarding the year 2001 when there were 175 days where flow in the river was under 20% and what were the negative impacts of that drought.**
3. **CDM Smith to look into model report about node calibration and if there is a difference among the nodes and how do they account for that in the model.**

**Major Decisions:**

1. **Unanimous – The Pee Dee RBC voted to adopt the RBC bylaws as written in the Planning Framework. (July 2022)**
2. **Unanimous – The Pee Dee RBC voted to adopt the proposed Process Metrics as presented. (August 2022)**
3. **Unanimous – The Pee Dee RBC voted to adopt the Mission, Vision, and Goals of the Pee Dee RBC. (August 2022)**
4. **The Pee Dee RBC elected the Chair: Buddy Richardson and Vice Chair: Cara Schildtknecht (November 2022)**

**Meeting:**

- Review of Meeting Objectives
- Approval of Agenda
- Public and Agency Comment Periods
- Methods for Evaluating Water Availability
- Overview of the Pee Dee Basin Surface Water Model
- Review Water Demand Projections
- Review of Charter, Performance Metrics, and Synthesis Document
- Meeting Conclusion

## Meeting Summary (December 13<sup>th</sup>)

JD Solomon, Pee Dee River Basin Council Facilitator, called the December 13<sup>th</sup> meeting of the Pee Dee RBC to order at 9:05 AM. The seventh meeting of the Pee Dee RBC was held in-person and virtually via the Zoom virtual meeting platform. Including the Pee Dee RBC members and planning team, there were 37 people present at this RBC meeting in-person and online.

The meeting began with JD Solomon reviewing the agenda items for the meeting. The Pee Dee RBC approved the RBC meeting agenda and edited minutes and summary documents from the November 15<sup>th</sup> meeting. A public comment period was held with no comments. An agency public comment period was held with no comments received.

The first agenda item was a presentation by Scott Harder, SCDNR, entitled: *Methods for Evaluating Water Availability*. Scott discussed the Planning Framework and the formal approach described in Section 4. The planning process is a gap analysis and the RBC will determine where and when demand exceeds supply under varying water demand scenarios and then decide how to manage water to close the gaps. Scott reviewed an example using the Lynches River at Effingham demonstrating potential water shortages under an example surface water condition. Scott also discussed how the RBC might develop performance measures, the SCDNR Instream Flow Policy updated in 2009, and locations of strategic nodes. Scott concluded his presentation by discussing the four future water use scenarios which will be used for evaluation by the RBC.

The second agenda item was a presentation from John Boyer, CDM Smith, entitled: *Overview of the Pee Dee Surface Water Model*. CDM Smith is the surface water technical support contractor for the Pee Dee RBC planning process. John began by introducing the Simplified Water Allocation Model (SWAM) to the RBC. In his introductory remarks, John discussed the basics of the model including the timeline for development of the model, model updates in 2021, where to access the model, what water allocation modeling is and what it is not, how SWAM will be used to support Pee Dee basin planning, and model inputs. John then discussed the Pee Dee River Basin's data availability using USGS gages and the method for filling in gaps in flow data. John then discussed the Pee Dee SWAM model including: the main stem and major branches, primary tributaries, reservoirs, and sector-specific withdrawals and discharges. Finally, John concluded his presentation and discussed the model framework which included: supply calculations, demand calculations, model calibrations, 2021 model updates, model limitations, areas of greater uncertainty in the model, scenario runs, examples of performance measures, strategic node possibilities, reaches of interest, and SWAM training.

Alex Pellett, SCDNR, presented a handout to RBC members and discussed water demand projections. Alex and the RBC discussed population projections in the Pee Dee Basin. There were some errors that needed to be addressed in some of the draft water demand projections

(agriculture, public water supply, and manufacturing). Alex will continue his work on the Pee Dee River Basin water demand projections and present those findings at future meetings.

The meeting concluded with JD Solomon reviewing the Pee Dee RBC Mission, Vision, and Goals. Additionally, JD reviewed previous meetings, the five step state water planning process, table of contents, deliverables, bylaws, and performance measures. JD asked RBC members to hold the date for SWAM training (January 18).

The next regular meeting of the Pee Dee RBC will be at the Clemson Pee Dee REC on January 24<sup>th</sup>. The RBC meeting was adjourned.

The meeting concluded at 12:18 PM.

Summary: Tom Walker

Approved: 1/24/23