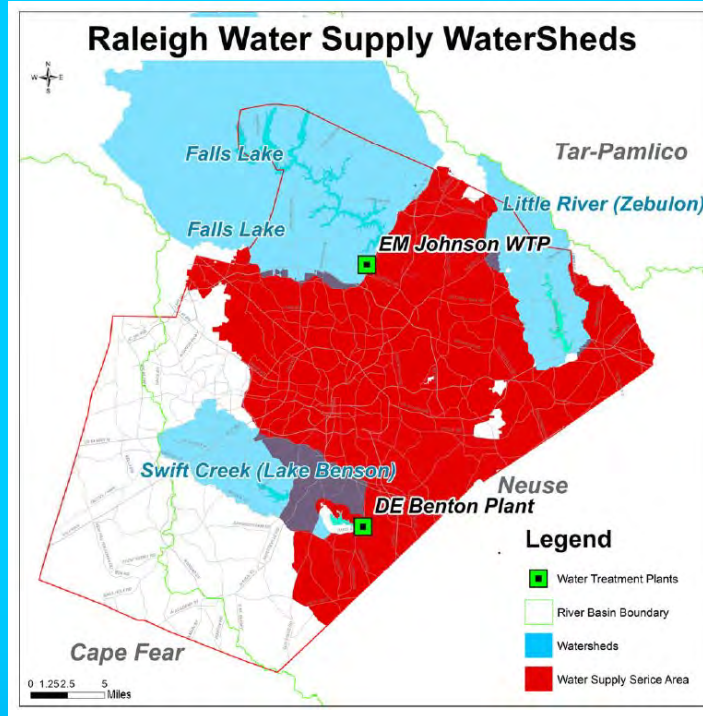


# City of Raleigh and Merger Partners' Jordan Lake Water Supply Storage Allocation Request



Information Meeting – Fayetteville, NC

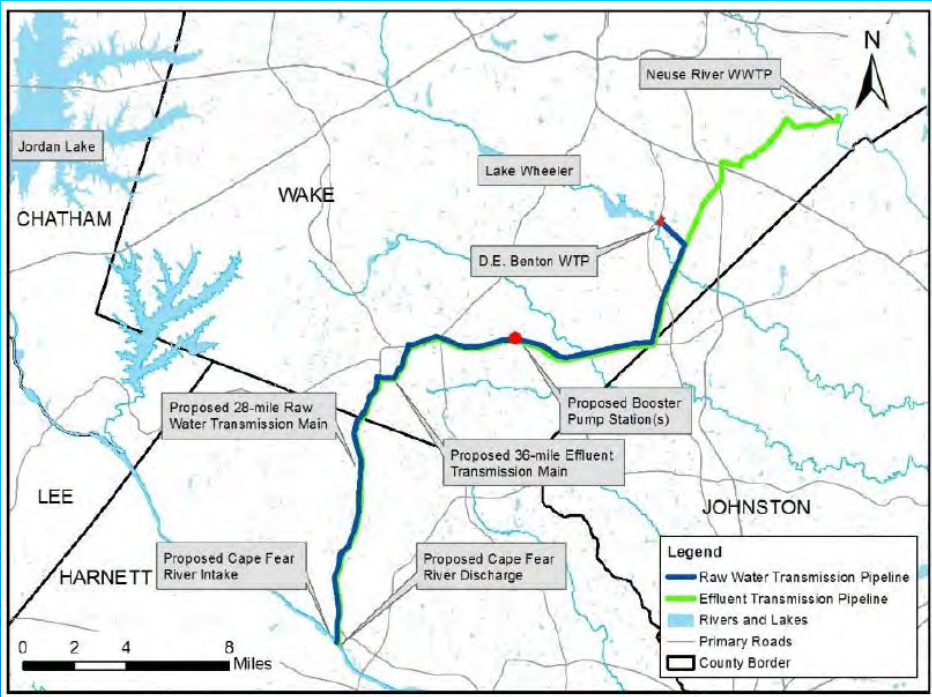
November 24, 2014

Tom Fransen

Division of Water Resources, NC DENR

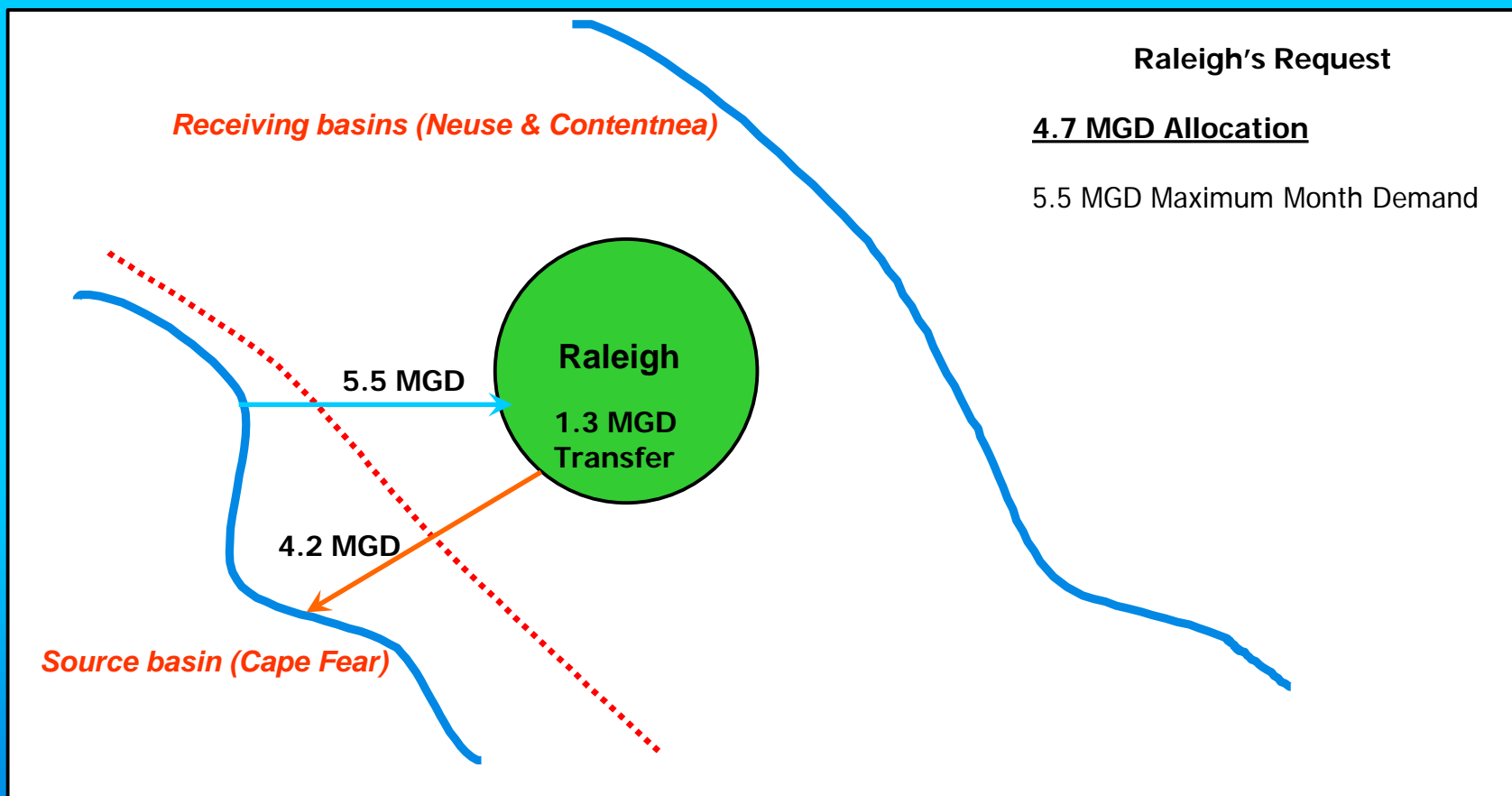
# City of Raleigh and Merger Partners' Jordan Lake Water Supply Storage Allocation Request

- **Current round 4 a 4.7% (4.7 MGD) for 2045.**
- **Future round a total of 8.8% (8.8 MGD)**
- **Proposal**
  - Allocation released from Jordan.
  - Intake on the Cape Fear across from Harnett County's.
  - Return effluent to a point near the Harnett County's WWTP.



# Simplified IBT view of Raleigh's Request

- Transfer = Withdrawal – Return
- IBT is Net Transfer, Not Gross



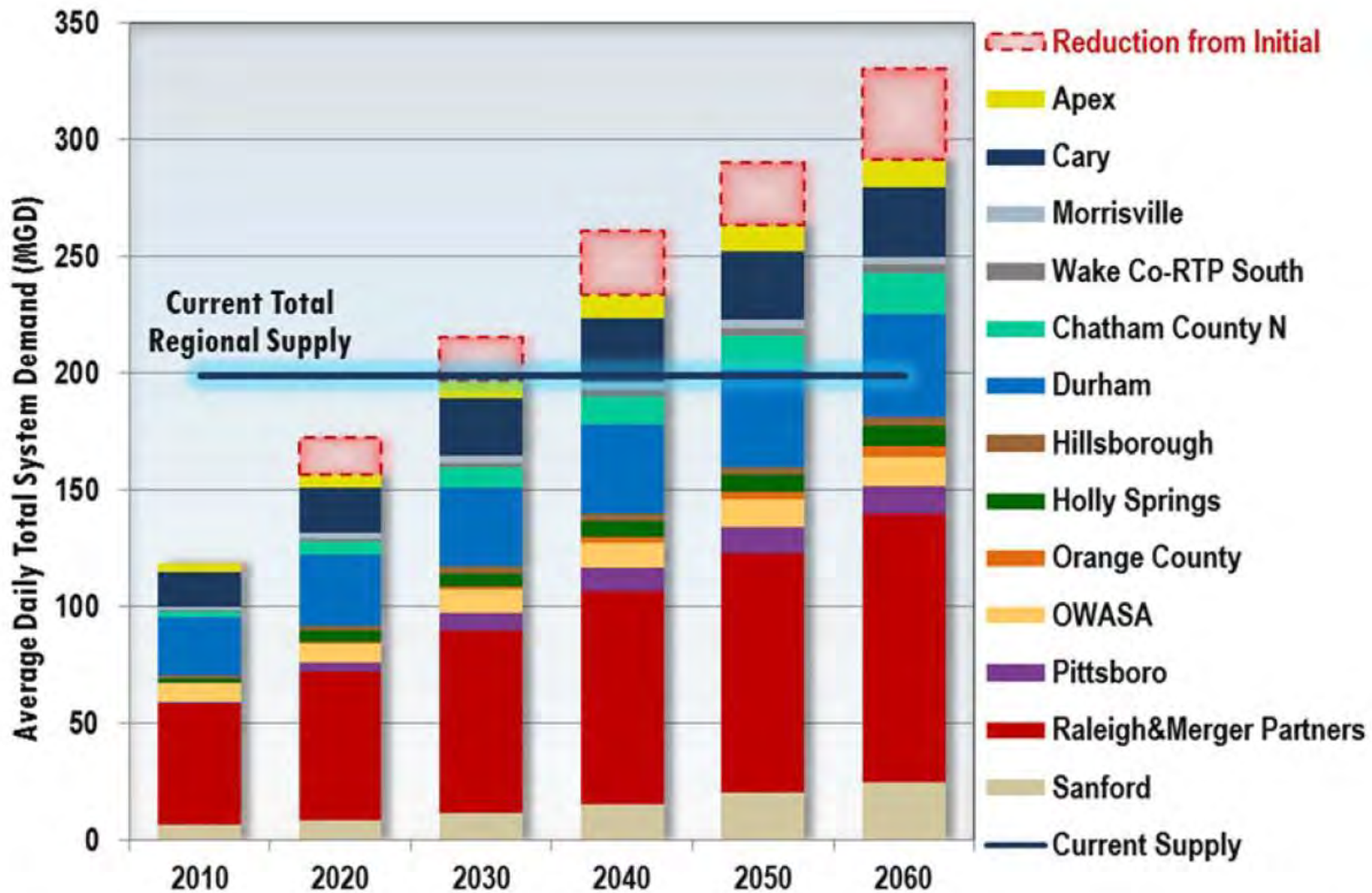
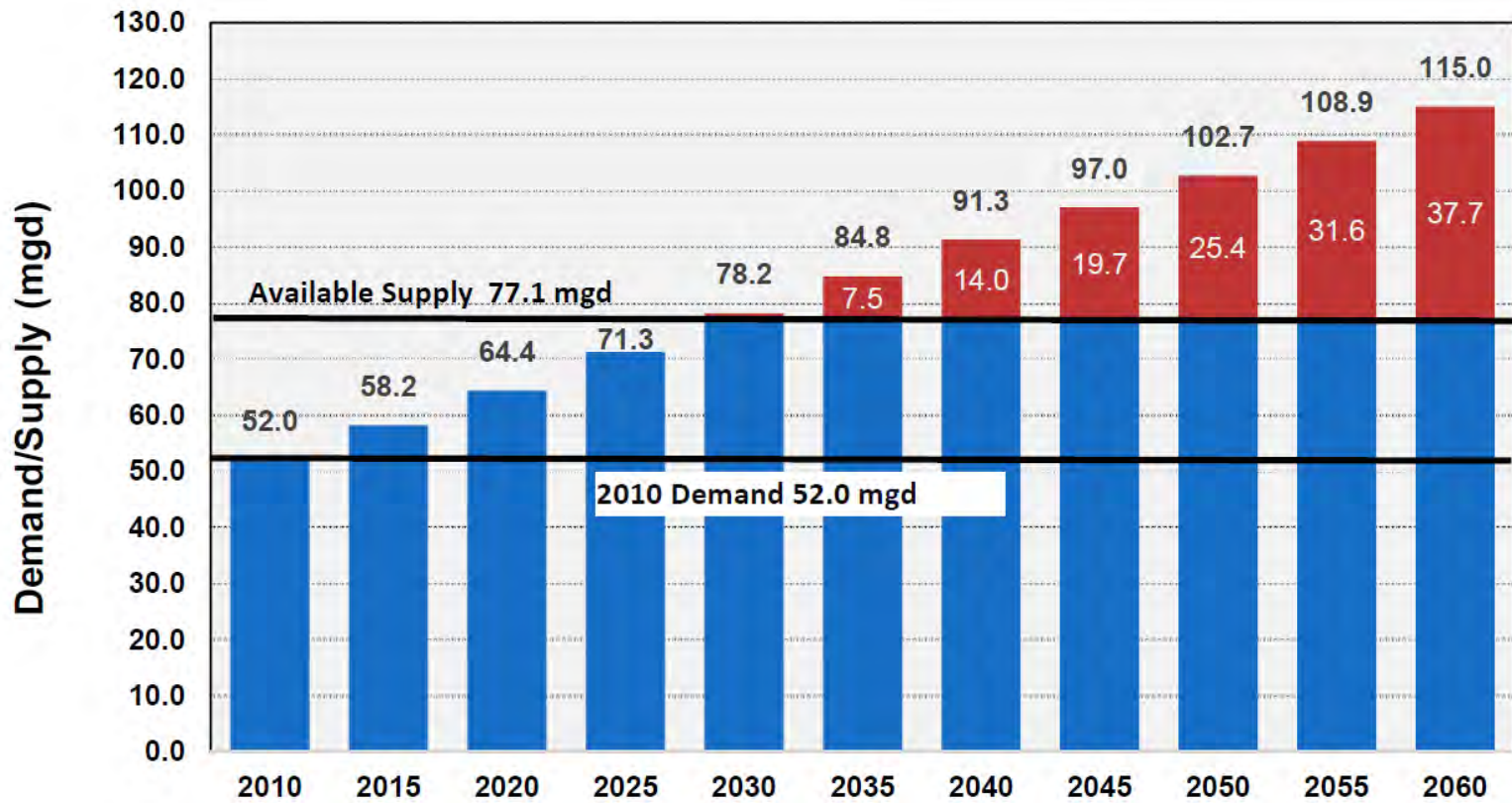


Figure 2 – Regional demand projections, current supply, and reductions resulting from peer review.

# Raleigh's Supply and Demand



# Raleigh's Alternatives

Table V.3 – Source Composition of Water Supply Alternatives (MGD)

Need and Source Options	Alternative 1	Alternative 2	Alternative 3
<b>Total Projected Need (2045)</b>	19.7	19.7	19.7
<b>Total Projected Need (2060)</b>	37.7	37.7	37.7
<b>Sources:</b>			
Falls Lake Re-Allocation (1)	14.0 <sup>a</sup>	0.0	0.0
Neuse River Intake (2a)	23.7 <sup>a,b</sup>	0.0	0.0
Neuse River Intake (2b)	0.0 <sup>a</sup>	15.0	15.0
Jordan Lake Allocation - Rd 4 (3)	0.0	8.8	8.8
Little River Reservoir (4)	0.0 <sup>a</sup>	13.7	0.0
Raleigh Quarry (5)	0.0 <sup>a</sup>	0.0	10.6
Purchase Agreement (6)	0.0	0.2	3.3
<b>Total New Supply (MGD)</b>	<b>37.7</b>	<b>37.7</b>	<b>37.7</b>

a – Any combination of these Neuse River Basin alternatives that collectively provide sufficient yield to meet the projected 2060 demand would be satisfactory to the applicant.

b – The yield potential of Source 2a is higher than indicated, but is sized here for this alternative to meet 2060 demand.

# Next Steps

- **Finish Application Reviews**
- **One-on-one meetings with applicants that we need additional clarification.**



# QUESTIONS?

## Contact Information

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