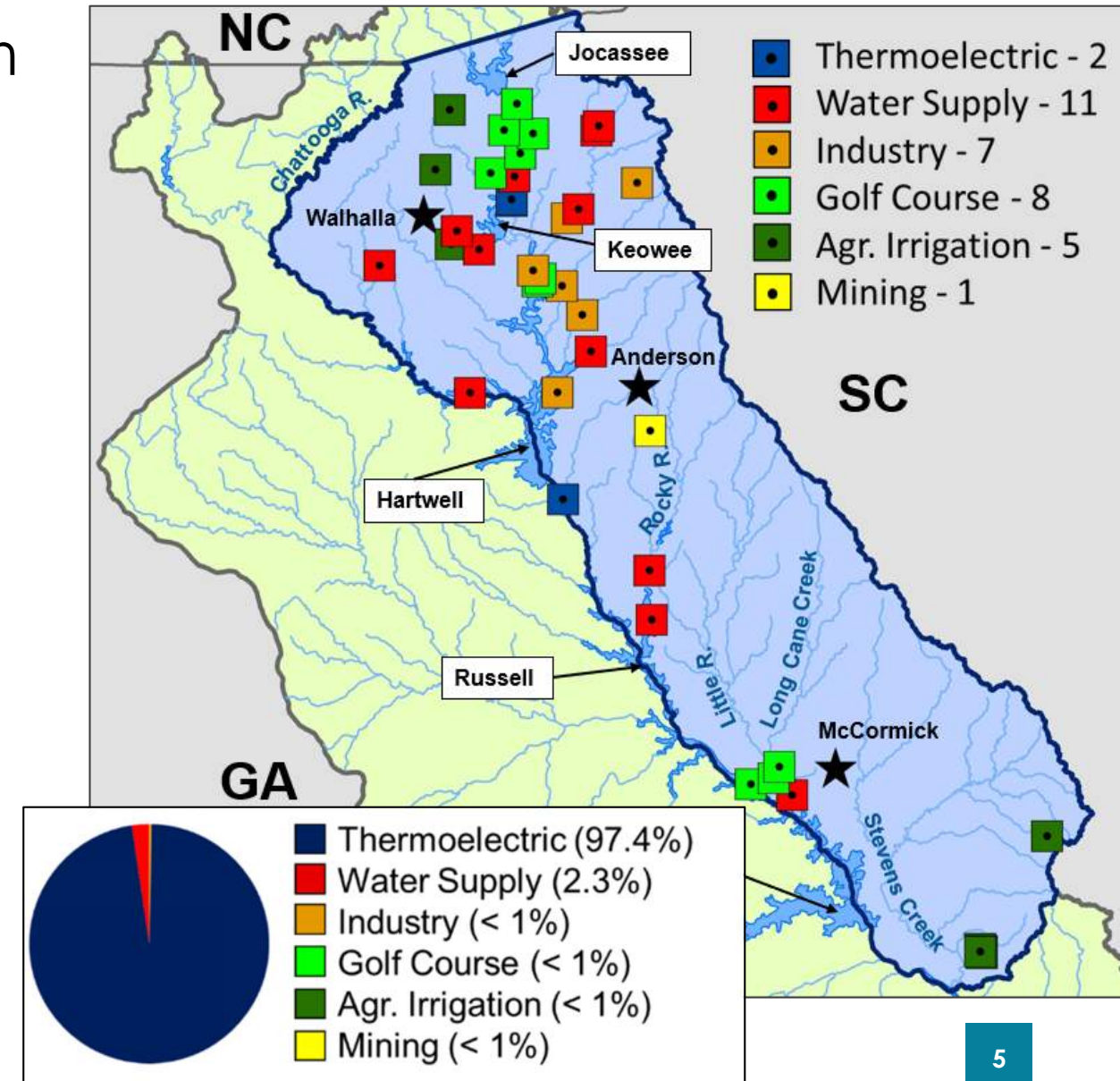


December RBC Meeting Review

Summary of Current Water Use (Priyanka More)

- More than **99%** of withdrawals are from surface water.
- Thermoelectric demands are highest (**2,692 MGD**) but about **99%** is returned to surface water
- About **22.5 MGD** is exported to the Saluda and Edisto basins
- About **1.5 MGD** is imported from the Saluda basin
- **No significant trends** observed in the historical annual average surface water withdrawals for most of the top categories over last decade.



Water Demand Projections (Alex Pellet)



Public Supply: Population served by each distributor is projected based on the county listed on the distribution permit.



Energy: Projections based on utility company Integrated Resource Plans and their direct feedback



Agricultural Irrigation: Projected to grow from 38% (Moderate Scenario) to 44% (High Scenario) over the 50-year planning horizon



Manufacturing: Projected annual growth rates range from 0.3% to 3%, depending on the economic sector (in reality demand has been declining due to efficiency and production of higher-value goods)



Golf, Mining and Other: No change from current use is projected.

Keowee-Toxaway Energy Complex (Ed Bruce)

- The combined generating capacity of **4,821.6 MW** from Keowee Hydroelectric Station, Jocassee Pumped Storage Station, Bad Creek Pumped Storage Project, and Oconee Nuclear Station accounts for **25%** of Duke Energy Carolina's total generating capacity.
- Project operations are controlled by **FERC License**, a **Low Inflow Protocol**, and a new **operating agreement with USACE and SEPA**.
- **Keowee-Toxaway Drought Management Advisory Group (KT-DMAG)** includes stakeholders from SCDNR, SCDHEC, USGS, SEPA and others and works with the licensee with the LIP is initiated.
- Oconee Nuclear Station estimated water consumption for December was **22.7 MGD**.
- Estimated natural evaporation from Bad Creek, Jocassee and Keowee reservoirs for December was **27.9 MGD**.

Friends of Lake Keowee Society (Dr. John Hains)

- FOLKS was organized to:
 - Monitor and preserve water quality
 - Communicate lake quality information to local communities
 - Provide comments on Watershed Management Plans
 - Address concerns of lake residents regarding lake issues
 - Become a Stakeholder in the watershed
- Focus on:

Advocacy

Conservation

Education



Tour of Jocassee Dam and Pumped Storage Project

