5 Minute Drought Update

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Resilience Improvements

- 2 Systems are working on ASR Projects
  - Cape Fear Public Utility Authority
  - Greenville Utility Commission
- We are still watching these systems. There has been no drought to test the effectiveness of this strategy.
- This may be an idea that we need to promote if our climate cycle deepens

Resilience Improvements

- ARRA allowed us to encourage (fund) more projects in our source water Category than previously.
- We since funded fewer projects, but they have created resilience as well.

Type Of Project	ARRA	SRF '10
Interconnection	19	2
New Intakes - Redundancy	2	2
New Wells - Redundancy	12	2
Water Savings: Meters, Leaks	26	5

Drought Bill

- The “Drought Bill” has requirements that will be enacted through lending policy. In order to carefully provide for effective and fair policies PWSS is working closely with stakeholders on final funding requirements and incentives.
- In order to obtain funding the system must have done several things.

Resilience Improvements

1. The system has an approved local water supply plan and water shortage response plan.
2. The system implements a water conservation education program and a leak detection and repair program.
3. The system meters all water uses that are practical to meter.
4. The system's water rate structure is adequate to operate, maintain, and repair the system during both periods of normal and reduced water use.
5. The system's rate structure does not give residential water customers a lower per-unit rate as water use increases.
6. The system has evaluated use of reclaimed water to meet some future water needs.

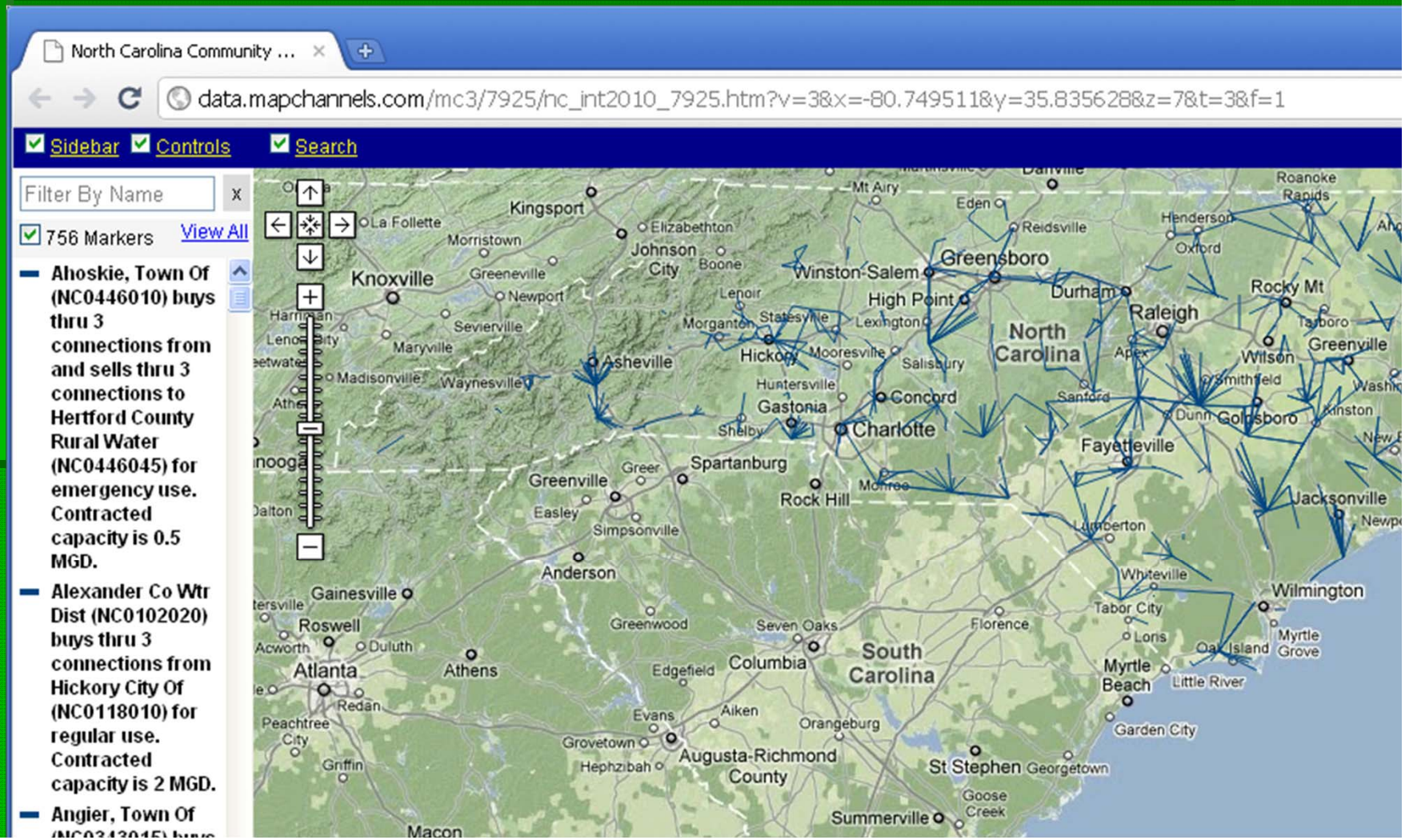
Interconnection

- We have worked with the Environmental Finance Center at UNC to understand how to encourage interconnection
- The Center has already created a guidance document that helps small communities avoid problems in their local agreements

Interconnection

- We have continue to work with the UNC EFC on a project to display interconnection data across North Carolina.
- We hope to display data that show a resilience measurement based on source redundancy

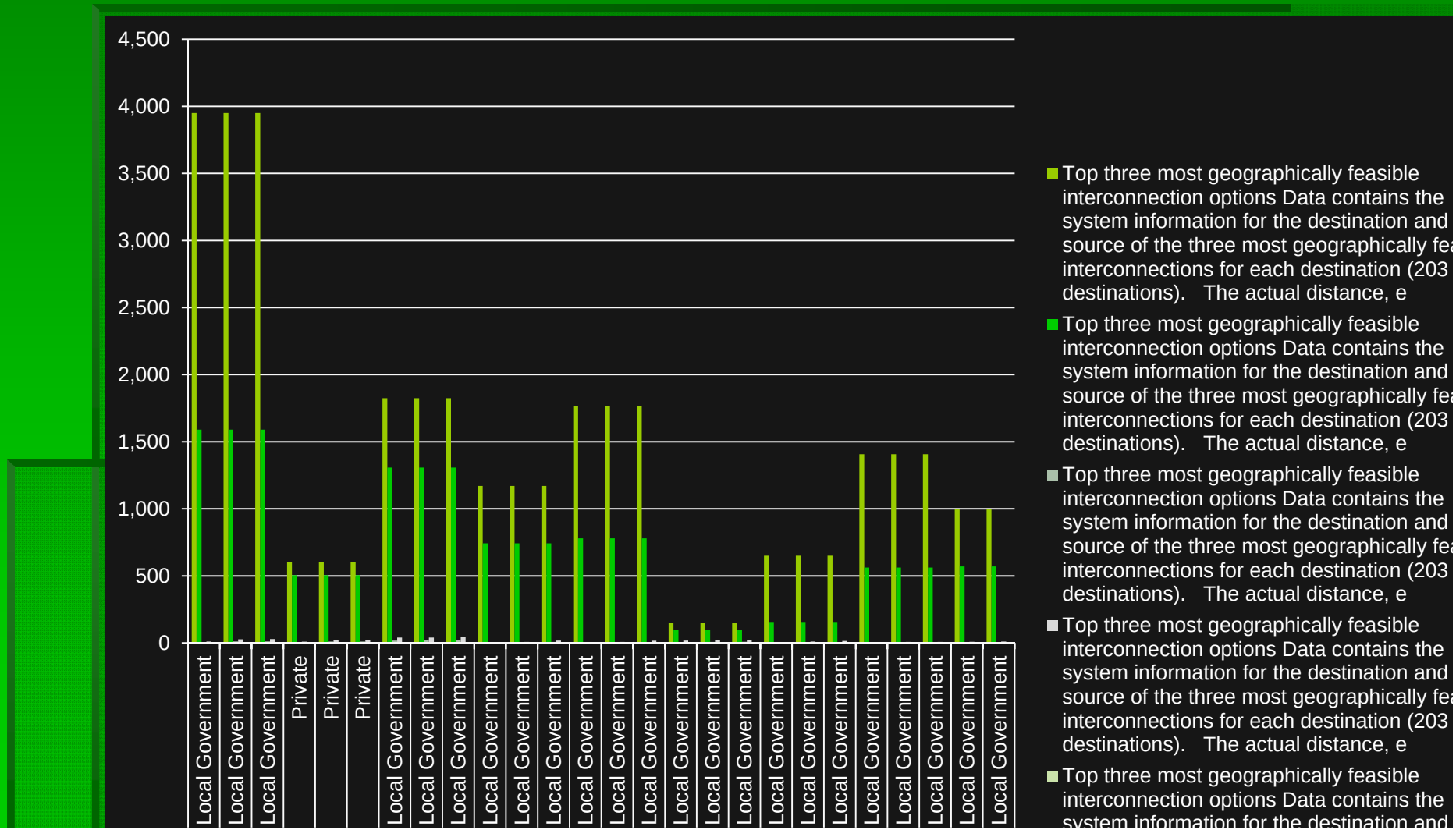
Interconnection



Interconnection

- Another project we are working on with the UNC EFC will project the difficulty of creating interconnections between any two water systems of a certain size in the state.
- This will assist water system administrators as they look for opportunities to create agreements that promote resilience

Interconnection



Interconnection

- The Environmental Finance Center continues to hold training sessions for water system administrators
- They use the tools developed in conjunction with PWSS to educate systems about opportunities to become more prepared for drought and demand increases

Future

- Our Security and Emergency Planning engineer is working on the EPA Needs Survey and is trying to give emphasis to resilience projects.
- We will continue to encourage resilience in design and operation of water systems across the State.