ORANGE WATER AND SEWER AUTHORITY

A public, non-profit agency providing water, sewer and reclaimed water services to the Carrboro-Chapel Hill community.

MEMORANDUM

TO: **Natural Resources and Technical Systems Committee**

Terri Buckner (Chair)	Will Raymond
Stephen Dear	Amy Witsil
Michael Hughes	John Young
Heather Payne	Alan Rimer (*ex officio*)

THROUGH: Ed Kerwin

FROM: Ruth Rouse

DATE: May 2, 2014

SUBJECT: May 7, 2014 NRTS Committee Meeting

The NRTS Committee will meet on Wednesday, May 7, 2014 from 5:30 to 7:00 PM in the OWASA Boardroom. As requested by the Committee, Dr. Greg Characklis, a professor at UNC's Department of Environmental Sciences and Engineering and the Director of UNC's Center for Watershed Science and Management will discuss the Triangle Region water supply modeling project he has been doing through funding from the National Oceanic and Atmospheric Administration.

The project involves modeling different scenarios of water supply, treatment, and interconnection capacities, future demands, and hydrologic conditions for the OWASA, Cary, Durham, and Raleigh systems. Some key questions being addressed by the study are:

- How can conservation measures and water transfers be employed for near-term drought management to reduce water supply risks?
- What is each utility's water supply risk under the various supply and demand scenarios?
- What potential financial risks do utilities face for water purchases and/or lost revenues resulting from mandatory water use restrictions during extended droughts?
- What are some strategies that utilities can consider to mitigate water supply and financial risks from extended droughts?
- What infrastructure system improvements can be considered to reduce the region's drought risks?

Agenda

- Regional Water Supply Planning
  - Presentation by Dr. Characklis
  - Questions and Discussion
- Next meetings
  - June 4, 2014
  - July 2, 2014

We look forward to seeing you on May 7.

Ruth C. Rouse

Ruth Rouse, AICP
Planning and Development Manager

c: Robert Epting
Ed Kerwin