

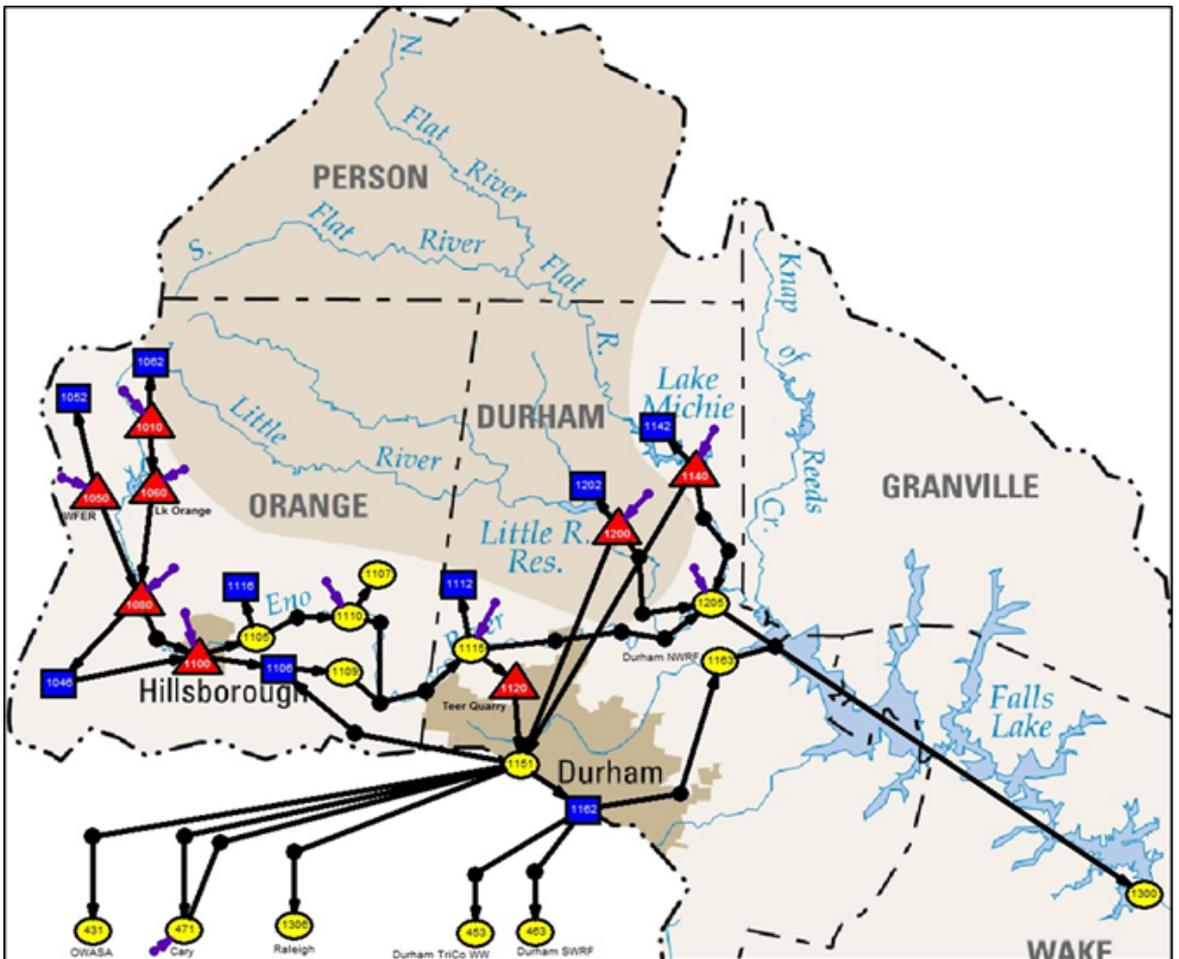


The Durham Engineers Club Cordially Invites You
to our Thursday, April 18, 2019 Meeting

City of Durham Water Shortage Response Plan

featuring

***Sydney Miller, Water Resources Planning Manager
City of Durham***



[Register Now!](#)

You can now pre-pay with a credit card or PayPal account as you

register!

Meeting time is at 6:00 pm.

When

Thursday, April 18, 2019 from

6:00 PM to 8:30 PM EDT

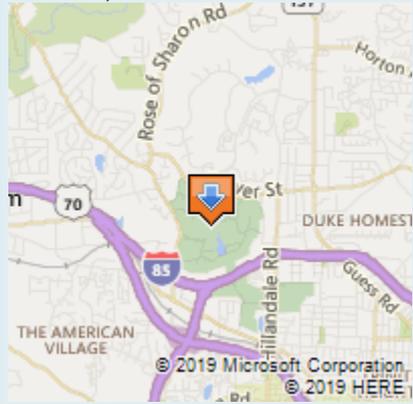
[Add to Calendar](#)

Where

Croasdale Country Club

3800 Farm Gate Avenue

Durham, NC 27705



[Driving Directions](#)

HAPPY NEW YEAR!!!!

Dues are due!

Upcoming Meetings:

May 16 - Drones, by Keith Johnston, NCDOT

June 20 - Field Trip to CertainTeed, Oxford

Dear Fellow Professional :

Please consider this special invitation to attend our regular monthly meeting on Thursday, April 18, 2019 from 6:00 to 8:30 PM.

Remember when OWASA issued an emergency "Do Not Use Water" order in 2018 due to a shutdown of the Jones Ferry Road Water Treatment Plant and a major water main break? Remember the winter of 2007 when Durham was down to about 40 days of water supply left?

The purpose of the Water Shortage Response Plan (WSRP) is to address short-term water shortages, which may be caused by drought, extreme service disruptions, or facility operations. The City's WSRP directs the implementation of the City's Water Efficiency Ordinance during a water shortage. Durham's WSRP meets the requirements stipulated by state rules governing Water Use During Drought and Other Water Emergencies.

Durham's previous WSRP, adopted in 2009, included triggers that activated increasingly stringent stages of water shortage response in which Durham's water use was increasingly restricted. Since that plan's adoption, Water Management had contacted the Division of Water Resources (DWR) twice to request a waiver from enacting water use restrictions. In both cases, it was mid-September and chances were high that the City's water supply would partially refill due to imminent weather events. Each request was approved by DWR because Durham's existing triggers were considered overly conservative. DWR's rationale for approval also noted that no other systems in the area would be implementing restrictions (having less conservative triggers) and DWR wished to avoid confusing customers in the region.

The Department of Water Management developed new triggers that are based on the probability of reaching a percentage of combined storage by the end of a forecast horizon. The probabilistic triggers were developed using an OASIS hydrologic model and the Department of Water Management uses OASIS to assess its water supply status every week. The new water shortage response triggers are activated less frequently, thus imposing water use restrictions on our community less frequently, than the previous WSRP triggers while maintaining Durham's water supply storage just as reliably.

Sydney Paul Miller earned a Bachelor of Arts at Cornell University in 1988 and a Master of Regional Planning at the University of North Carolina in 1997. In between his studies at the two universities, he served in the 101st Airborne Division in the Persian Gulf War and destroyed chemical weapons on Johnston Atoll. He worked at the NC Division of Water Resources when it was small, but left to manage the water resources program at the Triangle J Council of Governments in 2001. He was then lured to the Town of Cary in 2010 where he worked as the Town's first water resources engineer. Sydney began managing water resources planning for the City of Durham's Department of Water Management in April of 2016. The Department of Water Management is responsible for all of the water that moves through the people and economy of the City of Durham. Sydney has lived in Old West Durham since 2000 with his wife, joined almost 10 years ago by their daughter.

Please click on the link below to register; the cost to attend is \$25 for members and \$35 for non-members. You can now pre-pay as you register with a credit card or PayPal account, mail a check, or pay at the door with cash or check. We cannot accept credit cards at the event.

The price includes a buffet dinner at the Croasdaile Country Club. Social hour is from 6:00 to 6:30 pm and there is a cash bar. Dinner is from 6:30 to about 7:00 and the seminar will begin about 7:00.

One (1.0) PDH will be provided; a terrific bargain! Please join us for this great presentation by clicking on the "Register Now" link below, if you cannot attend please let us know as well, and feel free to forward this invitation to as many others as you would like using the button below.

[Register Now!](#)

[Forward to a Friend!](#)

[I can't make it](#)

If you do not wish to continue to receive event invitations from the Durham Engineers Club please unsubscribe using the link at the bottom. The Durham Engineers Club has one meeting per month.

We look forward to seeing you at the meeting!

Sincerely,

Jennifer Buzun, PE
Durham Engineers Club
jbuzun@nc.rr.com
919-560-4326*30292