



***Workshop: Implementing a Drinking Water Resilience Plan
for Connecticut***

**UConn Avery Point, Groton, Connecticut
Friday, April 6, 2018
9am-3:15pm**

*** = Oral Presentations Available via Webinar**

8:15am Breakfast and Check-in – Student Center

9am Welcome and Overview* - Academic Building 308

James O'Donnell, CIRCA Executive Director and UConn Professor of Marine Sciences

Rebecca French, CIRCA Director of Community Engagement

9:10am Presentation: ***The Importance of Resilience**** - ACD 308

Lori Mathieu, Public Health Section Chief, Drinking Water Section, Department of Public Health

9:25am Part I Oral Presentations – ACD 308

***Future Challenges of Climate Change for Community Water Systems:
Drought, Precipitation and Coastal Flooding****

James O'Donnell, CIRCA Executive Director and UConn Professor of Marine Sciences

Guiling Wang, CIRCA Affiliated Faculty Member and UConn Professor of Civil & Environmental Engineering

***Resilience Lessons from Community Water Systems Experience with Past
Storms****

Christine Kirchhoff, CIRCA Affiliated Faculty Member and UConn Assistant Professor of Civil & Environmental Engineering

Keeping the Water on for Critical Facilities: Mapping Flood Risk*

Amy Burnicki, CIRCA Affiliated Faculty Member and UConn Assistant Professor in Residence of Civil & Environmental Engineering



Private Wells: Identifying Neighborhoods at Risk and Options to Improve Resilience*

Victoria Brudz, CIRCA Project Specialist

Panel Discussion with Speakers (Live Q&A with webinar and in-person participants)

10:40am Morning Break – Student Center

11:00am Part 2 Oral Presentations - ACD 308

How Well Are We Already Prepared: Reviewing the Current State of Practice for Community Water Systems*

David Murphy, Manager of Water Resources Planning, Milone & MacBroom

Resilience Laws and Policy – Tools to Maintain and Enhance Safe Drinking Water Compliance*

David Murphy, Manager of Water Resources Planning, Milone & MacBroom

A Resilience Plan for Community Water Systems*

Christine Kirchoff, CIRCA Affiliated Faculty Member and UConn Professor of Civil & Environmental Engineering

David Murphy, Manager of Water Resources Planning, Milone & MacBroom

Funding Opportunities for Resilience Strategies*

Cam Walden, Supervising Sanitary Engineer, Drinking Water State Revolving Fund, Department of Public Health

12:15pm Lunch Provided – Branford House

1:15pm Breakout Sessions – small group facilitated discussions on:

It's An Emergency! Keep the Water Supply Running - Branford House Oak Room

Redundancy = Resilience: Options and Alternatives for CWSs & Drinking Water Policy - ACD 206

Using Climate Data to Inform CWS Decisions - ACD 207

What Do We Do About Private Well Resilience? - ACD 311

2:45pm Report Out on Breakout Sessions and Wrap-up – ACD 2nd Floor Auditorium

3:15pm End Workshop



Breakout Sessions

It's An Emergency! Keep the Water Supply Running

Facilitator: Christine Kirchhoff | Note-taker: Scott Bighinatti

The discussion will focus on service challenges, communications needs and infrastructure breakdowns during storms and droughts. A review of the regulatory environment, grant programs and drought triggers and responses will also be discussed. Finally, the session will ask participants to comment on lessons learned from neighboring states and how those solutions might be implemented in Connecticut.

Redundancy = Resilience: Options and Alternatives for CWSs & Drinking Water Policy

Facilitator: David Murphy | Note-taker: Galen Treuer

The cost and feasibility of implementing interconnections; servicing cities, commerce centers, hospitals, nursing homes and emergency shelters during emergencies and under long-term resilience challenges; and tools for maintaining and enhancing safe drinking water compliance will be discussed. Participants will also be asked to comment on statutes and policies for drinking water resilience related to drought and sea level rise, including coordination with the Water Planning Council and Water Utility Coordinating Committees.

Using Climate Data to Inform CWS Decisions

Facilitator: Rebecca French | Note-taker: Katie Lund

This breakout session includes an additional presentation from Aquarion Engineer, Daniel Lawrence on their near-term forecasting program. Following that presentation, the discussion will focus on strategies for incorporating both near-term and long-term climate change impacts predictions into decision-making, including flood hazard mapping. Feedback on how to better communicate climate information to the drinking water system community will also be solicited.

What Do We Do About Private Well Resilience?

Facilitator: Victoria Brudz | Note-taker: Colleen Dollard

Participants will help identify areas serviced by private wells that may be at risk as well as discussing emerging concerns. Participants will contribute to developing a communication strategy for discussing flood risk with private well owners as well as techniques to address private well resilience, including retrofitting, property acquisition, drainage projects, water main extension or well relocation.