



Monthly Meeting #21

Coordinated Water System Plan Central Region

MDC Training Center; 125 Maxim Road, Hartford, Connecticut | February 21, 2018

Agenda

1. Welcome & Roll Call (5 minutes)
2. Approval of January Meeting Minutes (5 minutes)
3. Review of Formal Correspondence (5 minutes)
4. Review ESA Modification Request (15 minutes)
5. Review and Discuss Integrated Report Sections (60 minutes)
6. Next Steps and Revised Timeline (5 minutes)
7. Public Comment (10 minutes)
8. Other Business (5 minutes)

1. Welcome and Roll Call

2. Approval of Meeting Minutes

3. Formal Correspondence

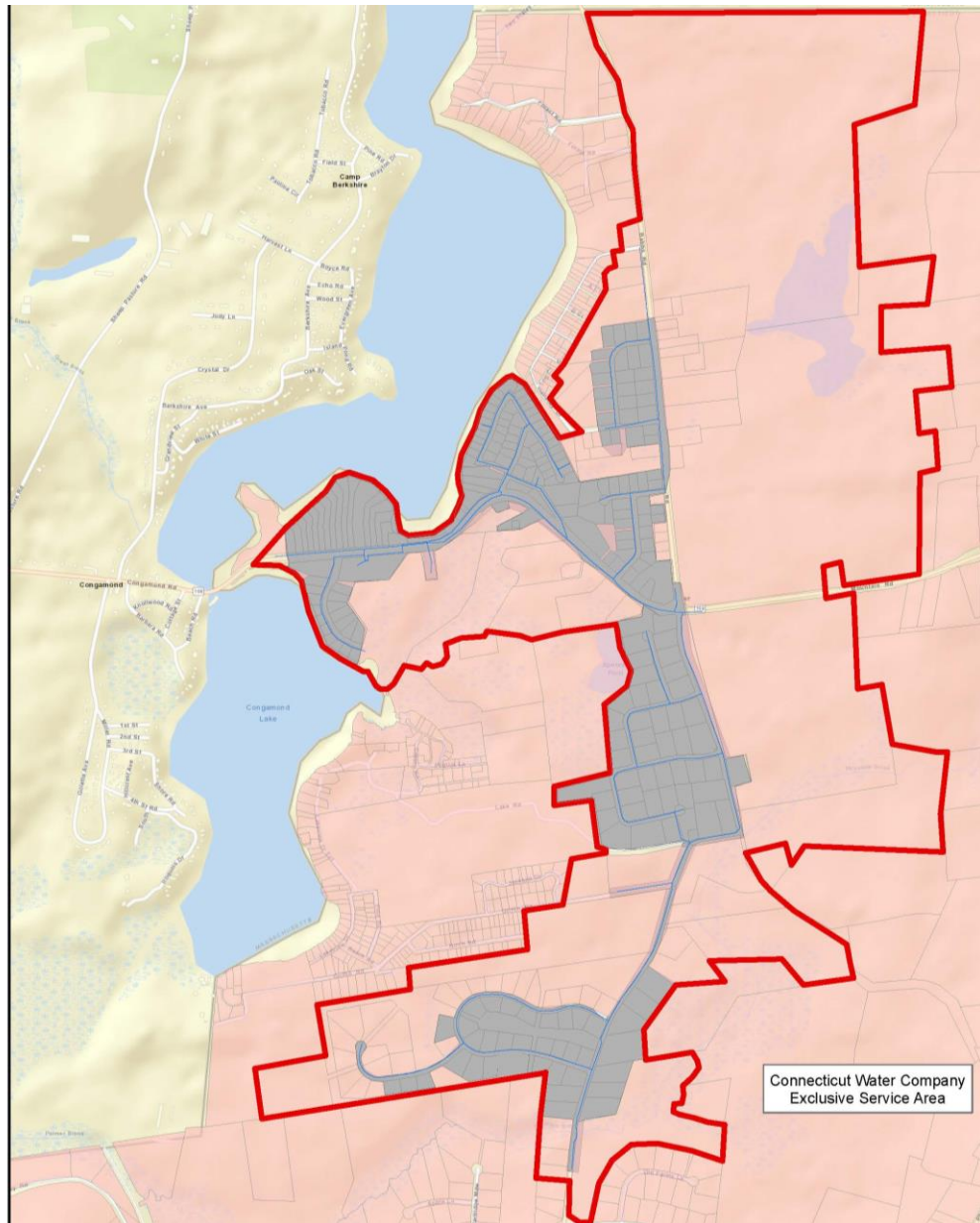
Formal Correspondence






Date	From	To	Main Topic(s)
1/29/2018	DEEP	West, Central, East Region WUCCs	Use of Streamflow Regulations and MMADD Available water in projections
2/7/2018	Aquarion Water	Central Region WUCC	AWC/CWC ESA Revision – Suffield, CT

4. Review of ESA Modification Request

Proposed Modification



-  Aquarion West Suffield ESA as shown on the Central PWSMA ESA, Fig. 59.
-  Connecticut Water Company ESA.
-  Proposed Revised AWC West Suffield ESA Boundary - all properties abutting existing water mains.

5. Integrated Report Review

Chapter 1 – Introduction



- What is the Integrated Report?
- How it fits into the CWSP with the Water Supply Assessment and Exclusive Service Area documentation
- Edits made since the previous version was circulated – new text in red

Chapter 2 – Context and Coordination

- Coordination of Planning
 - ✓ Disjointed Service Areas
 - ✓ Planning and Coordination among Public Water Systems
 - ✓ Planning Between Municipalities and PWSs
 - ✓ Source Water Protection
 - ✓ Drought Planning and Response
- Water Conservation
- Impacts of Existing and Future Policies and Regulations
- Climate Change and Resiliency
 - ✓ Climate Change and Effect on Safe Yield
 - ✓ Resiliency
 - ✓ Incorporating into Future Projects
- Edits made since the previous version was circulated – new text in red

Chapter 3 – Population and Projections



- Numbers, numbers, and more numbers
 - ✓ By Town
 - ✓ By ESAs
 - ✓ By PWSs
- Identification of Deficits
 - ✓ “On paper” due lack of agreements or commitments
 - ✓ “On paper” due to MMADD available water calculations
 - ✓ Real potential deficits due to growth
 - ✓ Real potential deficits due to Streamflow Regulations
- Offsets for per-capita demand reductions (ongoing conservation)
- Determination of true needs
- Numerous edits since the previous version was circulated to active members, but no major conclusions have changed

Chapter 4 – Small Systems

- Satellite Management
- Small System Challenges
- Recommended Actions for Small CWSs
- Emergency Management, Communications, and Voluntary Associations
- Edits made since the previous version was circulated – new text in red

Chapter 5 – Interconnections

- Existing Interconnections (Active and Emergency)
- Interconnection Permitting Requirements
 - ✓ Sale of Excess Water Permits
 - ✓ Diversion Permits
 - ✓ Interconnection Agreement Requirements
- Potential Interconnections to Address Supply Deficits
 - ✓ Per-capita demand reductions based on Scenario I of the State Water Plan are already built into the projections described in this report.
 - ✓ Existing interconnections in the region will continue to be vital, but new interconnections will likely be needed to meet projected demands
 - ✓ Additional types of conservation such as reduction in outdoor water use needs to be considered as a part of these projects
- Potential Interconnections to Create Resiliency

Chapter 5 – Interconnections

Potential Interconnections to Address Supply Deficits

- CWC Soundview System with CWC Point O' Woods
 - ✓ Help balance supply and demand in both systems
 - ✓ Provide water to meet projected deficit
- CWC Guilford system with SCCRWA
 - ✓ SCCRWA surplus may not support an interconnection
 - ✓ Old Lyme needs may come into play
- Southington Water with Nearby Utility
 - ✓ Meriden, New Britain, SCCRWA, Valley all project surpluses
 - ✓ SCCRWA or MDC
- Tolland Water with CWC Western System

Chapter 5 – Interconnections



Potential Interconnections to Create Resiliency

- Connecticut Valley Hospital – Relies on a single distribution reservoir
- CWC Point O' Woods – Relies on a single wellfield
- CWC Soundview – Relies primarily on a single wellfield
- Willimantic Water – Draws all of its water from a single reservoir
- Other systems have been identified relative to potential emergency connections throughout the region

Chapter 6 – Joint Use/Management

- Chapter provides background and general framework for:
 - ✓ Existing and Planned Shared or Joint Use Facilities
 - ✓ Existing and Planned Joint Use of Services
 - ✓ Existing and Planned Joint Use / Ownership of Equipment
- Not a lot of specific reporting or recommendations, given the lack of shared resources in the region

Chapter 7 – Potential Water Sources



- Focus is on “regionally significant” actions
 - ✓ New sources with the potential to produce greater than 1.0 mgd and proximal to systems projecting supply deficits
 - ✓ Infrastructure improvements to enhance safe yield associated with sources that currently serve regional needs
- Potential Sources for Systems Projecting Significant Supply Deficits
 - ✓ CWC Guilford System – Wellfields along Hammonasset River (potential yield = 3.0 mgd)
 - ✓ MDC – Wellfield in South Glastonbury (potential yield = 3.0 mgd)
 - ✓ Portland Water – Develop wellfield along CT River (potential yield = 1.15 mgd)
 - ✓ Portland Water – Construct treatment facility for Portland Reservoir (potential yield = 0.7 mgd)

Chapter 8 – Impact on Water Resources

- Looked at Impacts of the following:
 - ✓ Groundwater withdrawals along the Hammonasset & CT Rivers
 - ✓ Active Interconnections
 - ✓ Interconnections for Resiliency
- Looked at Impacts on the following:
 - ✓ Water Quality
 - ✓ Minimum Streamflow
 - ✓ Flood Management
 - ✓ Recreation
 - ✓ Hydropower
 - ✓ Natural Diversity Data Base (NDDDB)/Threatened & Endangered
 - ✓ Aquatic Habitat
 - ✓ Riparian Rights
 - ✓ Waste Load Allocation

Chapter 9 – Minimum Design Standards



- Chapter provides background and framework for:
 - ✓ Local Minimum Design Standards
 - ✓ Impact on Existing Systems
 - ✓ Conclusions
- Recommendation for DPH to develop minimum design standards for non-community systems

Chapter 10 – Other Planning Documents



Chapter evaluates relationship and compatibility of CWSP with:

- Individual Water Supply Plans
- Local POCDs
- Regional POCDs
- State Conservation and Development Policies Plan
- State Water Plan

Chapter 11 – Financial Considerations



Chapter provides planning level cost analysis for and assessment of:

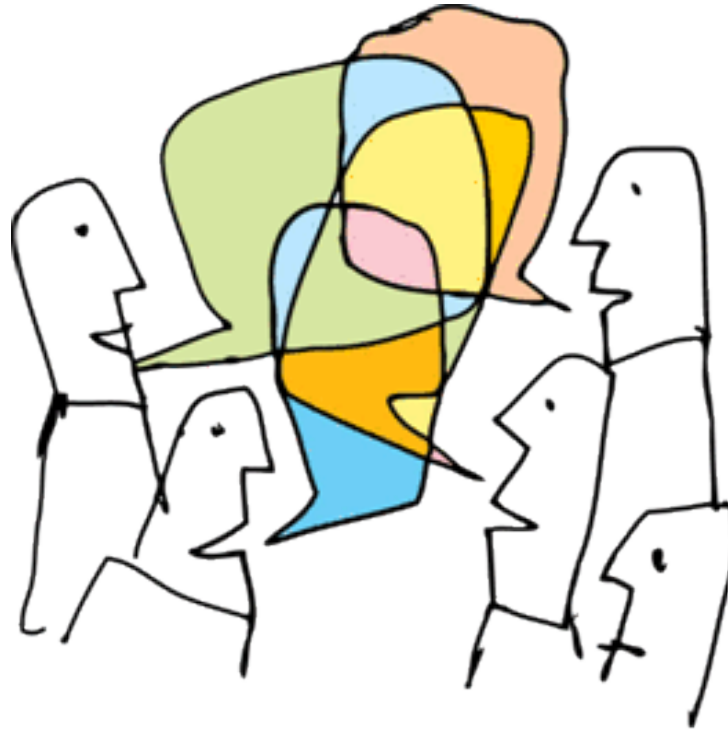
- New Supply Development
- Interconnections
- Financing Issues
- Funding Sources

Chapter 12 – Prioritization



This chapter defers to further consideration by the WUCC.

Discussion



6. Next Steps and Revised Timeline

CWSP Schedule



Action	Timeline
• Issue draft Preliminary CWSP	January 2018 – DONE
• Discuss draft Preliminary CWSP Ch. 1 - 4	January 17, 2018 meeting – DONE
• Discuss draft Preliminary CWSP Ch. 5 – 11	February 21, 2018 – TODAY
• Approve Preliminary CWSP for Public Comment	March 21, 2018 meeting
• 30-Day Public Comment period	Late March to Late April 2018
• Final prioritization of recommendations, discuss public comments	April 2018 meeting
• Issue draft Final CWSP	May 1, 2018
• Approve Final CWSP for Submission to DPH	May 16, 2018 meeting – Or Extend Meeting Date to later May or early June

Future Meeting Dates



- April 2018 Meeting Date
 - Original Meeting Date – Wednesday, April 18, 2018
 - Reschedule Date – Tuesday, April 24, 2018
 - Proposed Adjusted Reschedule Date – Monday, April 23

- May 2018 Meeting Date
 - Current Date – Wednesday, May 16, 2018
 - Potential to Move to end of May or Beginning of June

- Final Submission Deadline – Friday, June 15, 2018

7. Public Comment

8. Other Business

Workshop: Implementing a Drinking Water Resilience Plan for Connecticut

UConn, Avery Point
Groton, Connecticut
Friday, April 6, 2018
9 am – 3:30 pm

Check-in at 8:15 am | Breakfast and lunch provided | No cost to attend

The Connecticut Institute for Resilience and Climate Adaptation and the Connecticut Department of Public Health Drinking Water Section invite you to attend a workshop to implement a resilience plan for drinking water systems. Recognizing the real impacts of extreme weather and a changing climate, the CT DPH partnered with CIRCA with assistance from Milone & MacBroom, Inc. to assess the vulnerability and resilience of drinking water systems and private wells in the coastal counties of the state. Following the assessment, an implementation plan will be developed.

This workshop will review the findings of the assessment and provide an opportunity to review and suggest strategies for implementing a resilience plan. Workshop attendees can expect to receive training on identifying vulnerabilities to flooding, extreme weather and drought and on adaptation approaches and resilience strategies to address those vulnerabilities.

AGENDA The morning session will provide presentations of the assessment and resilience plan with an opportunity for question and answer. The afternoon will utilize small group breakout sessions to workshop resilience strategies for the plan.

Workshop and Webinar Participation There will be two ways to participate in the workshop: in person or via webinar. The morning session will be available via a live webinar where remote participants can view the presentations and submit questions electronically. In person attendees only will be able to participate in the afternoon breakout sessions at Avery Point.

WHO SHOULD ATTEND Stakeholders in drinking water, including Community Water Systems staff and administrators, local health directors, councils of governments staff, municipal planners and engineers and any other individuals involved with the Water Utility Coordinating Committees and the State Water Plan.

