



# Monthly Meeting #12

## Coordinated Water System Plan Central Region

MDC Training Center; 125 Maxim Road; Hartford, Connecticut | May 17, 2017

# Agenda



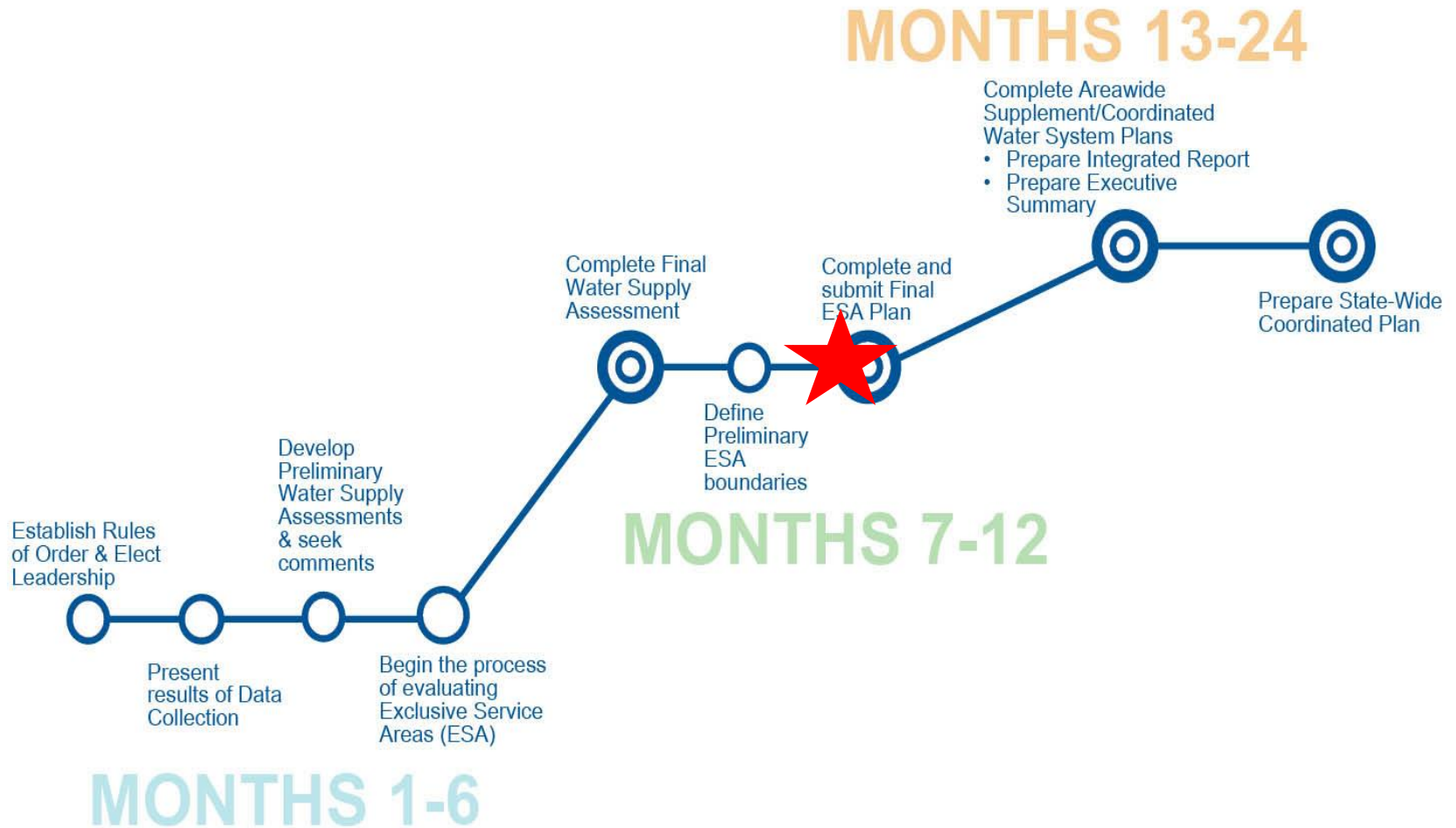
1. Welcome & Roll Call (5 minutes)
2. Review and Approval of April Meeting Minutes (5 minutes)
3. Review Formal Correspondence (5 minutes)
4. Discussion of Final Claims/Changes (15 minutes)
5. Statements of Confirmation Submissions (5 minutes)
6. Review Draft Final ESA Document and Potential Vote to Finalize and Submit Document to DPH (30 minutes)
7. Discussion of Potential Schedule and Priorities for Integrated Report (20 minutes)
8. Public Comment (10 minutes)
9. Other Business (5 minutes)

# 1. Welcome and Roll Call

# Taking Stock

- ***What Have We Accomplished?***
  - ✓ A first draft Final ESA Document was released for WUCC member & ESA holder review
  - ✓ Statements of Confirmation have been distributed
  
- ***What Are We Doing Today?***
  - ✓ Reviewing changes to the ESA document
  - ✓ Review and discuss final claims
  - ✓ Consider potential scheduling for Integrated Report topics
  
- ***What's Next?***
  - ✓ Prepare final draft Final ESA document
  - ✓ Collect Statements of Confirmation
  - ✓ Approve Final ESA Document for submission to DPH
  - ✓ Start work on the Integrated Report

# WUCC Time Frame



## 2. Review & Approval of Meeting Minutes

## 3. Review of Formal Correspondence

# Formal Correspondence



Date	From	To	Main Topic(s)
4/19/2017	UConn	WUCC Chair	Letter correspondence clarifying existing system boundaries
4/27/2017	CT Water Company	Town of Bolton	Letter modifying CWC Boundaries in Bolton
5/1/2017	Aquarion Water Company	Central Region WUCC	Withdrawal of prior claim in Bolton
5/9/2017	Rivers Alliance	Central WUCC	Copy of comments on Western WUCC meeting minutes
5/11/2017	David Cooley, DEEP	MMI, Central WUCC Officers	Email correspondence clarifying DEEP lands
5/11/2017	UConn	WUCC Chair	Revision of boundaries based on Town of Mansfield requests

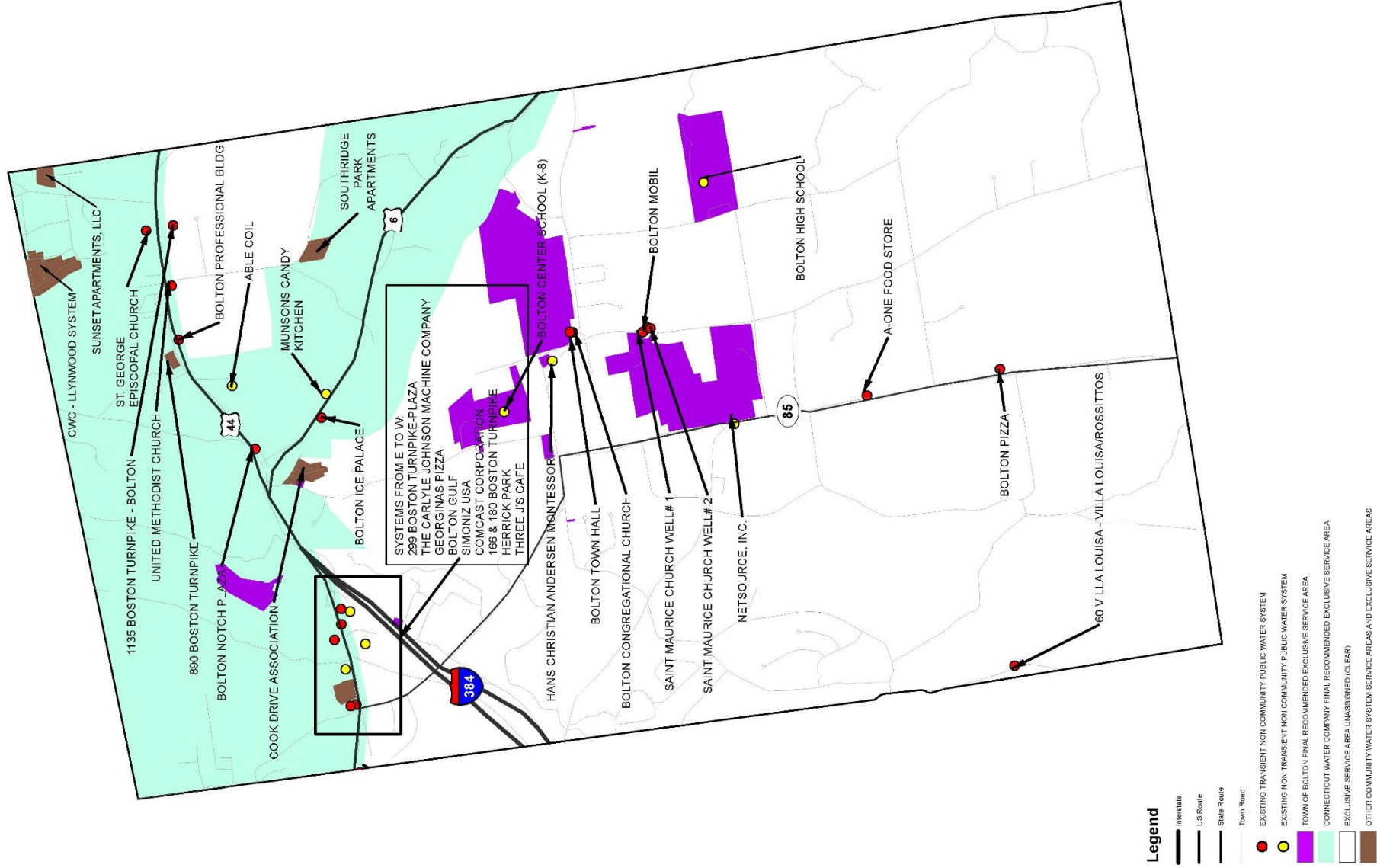


## 4. Discussion of Final Claims/Changes

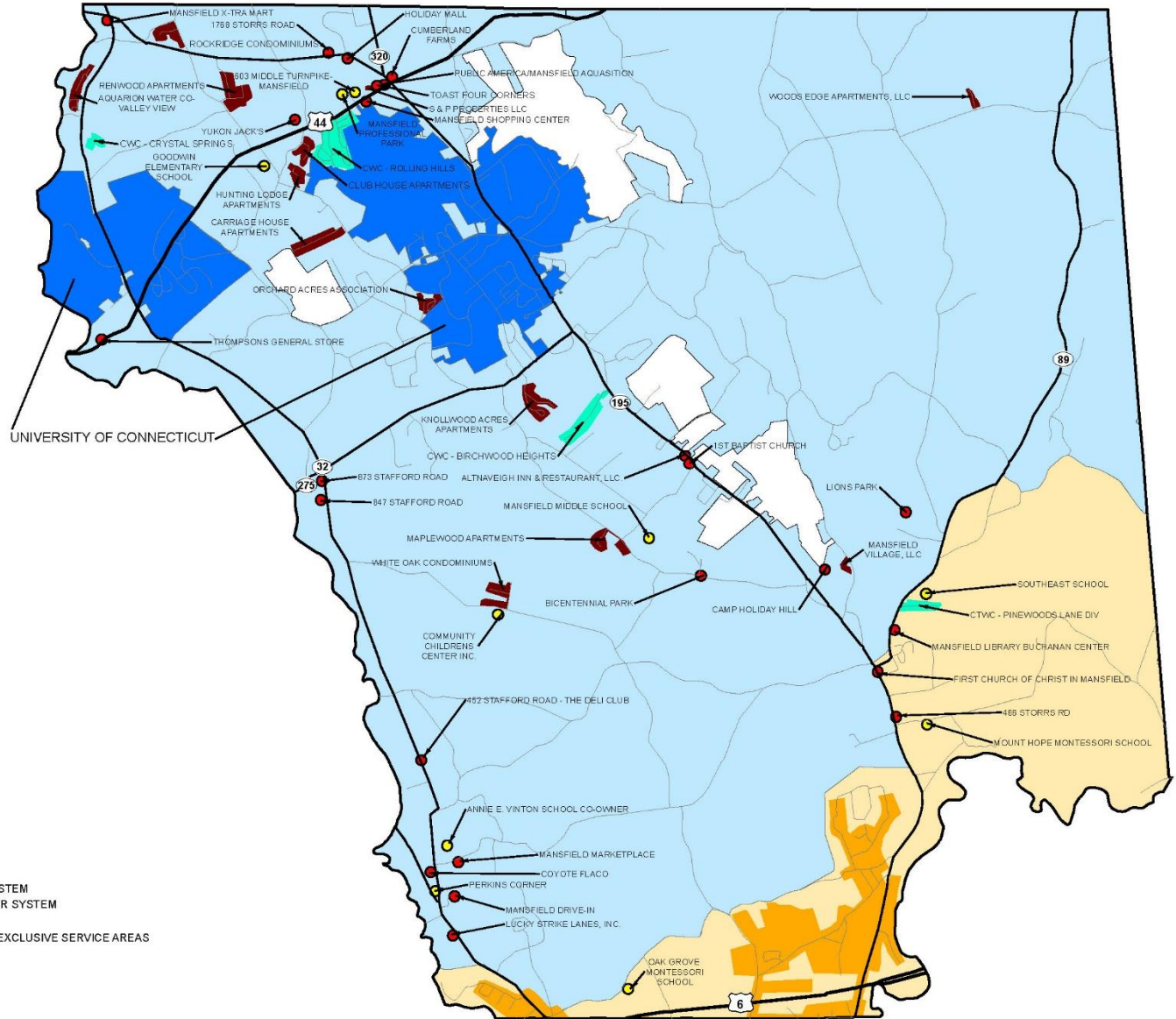
# Final/Revised Claims

- Bolton
  - ✓ Revised Connecticut Water Company Claim
  - ✓ Withdrawal by Aquarion Water Company
- Mansfield ESA Area
  - ✓ Revisions to UConn system boundary
  - ✓ No changes relative to Windham ESA claim
- Farmington
  - ✓ Clarification by DEEP

# Revised Bolton ESA Map



# Revised Mansfield ESA Map



## LEGEND

- US Route
- State Route
- Local Road
- EXISTING TRANSIENT NON-COMMUNITY PUBLIC WATER SYSTEM
- EXISTING NON-TRANSIENT NON-COMMUNITY PUBLIC WATER SYSTEM

### EXISTING SERVICE AREAS

- OTHER COMMUNITY WATER SYSTEM SERVICE AREAS AND EXCLUSIVE SERVICE AREAS
- CONNECTICUT WATER COMPANY
- WINDHAM WATER WORKS

### FINAL RECOMMENDED EXCLUSIVE SERVICE AREA

- CONNECTICUT WATER COMPANY
- EXCLUSIVE SERVICE AREA UNASSIGNED
- STATE AGENCY EXISTING SERVICE AREA
- WINDHAM WATER WORKS

# 5. Statement of Confirmation Submissions

## 6. Review of Final ESA Document and Potential Vote to Finalize and Submit Document to DPH

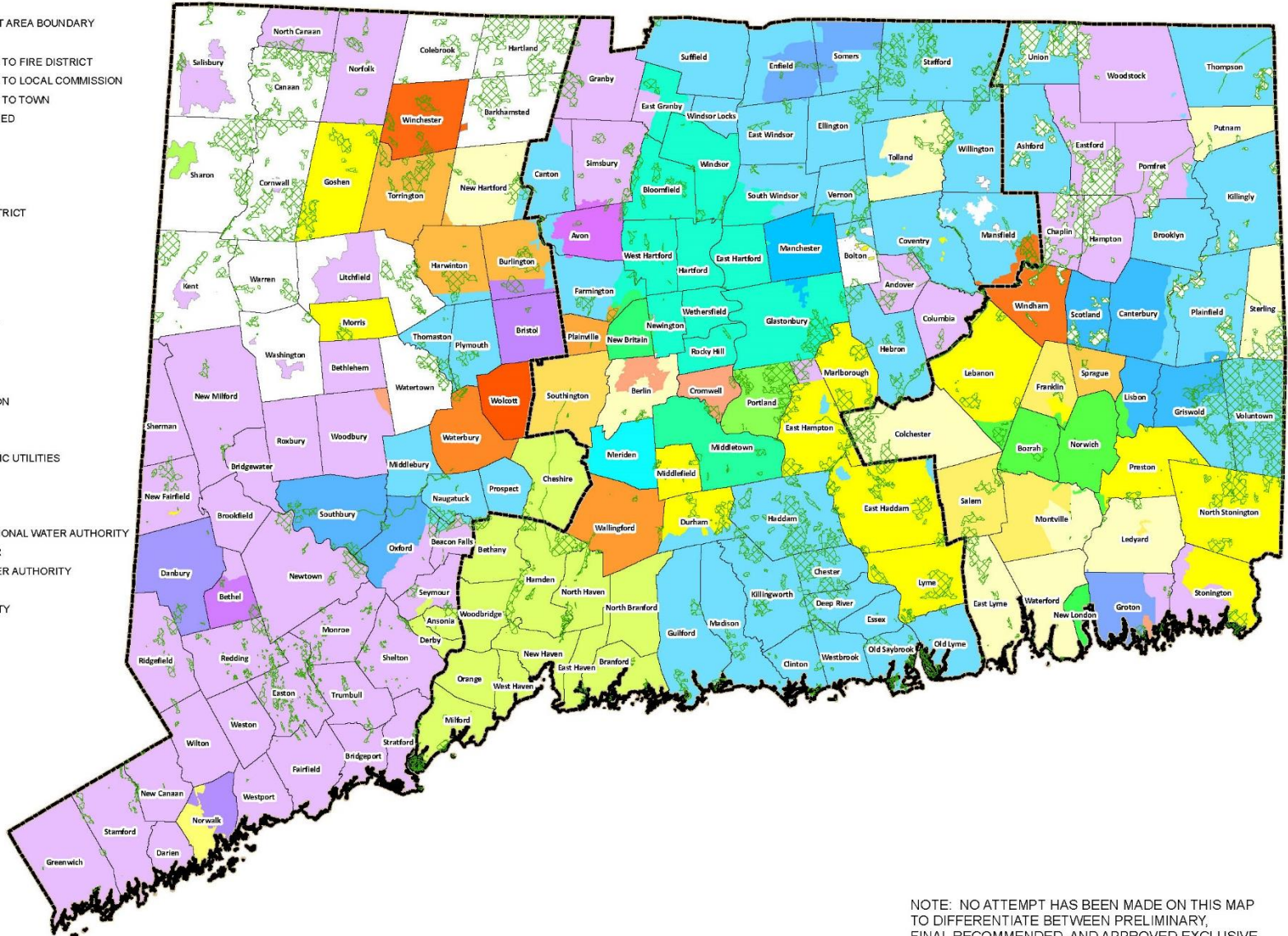
# Statewide ESA Map to Date

## Legend

- DEEP LANDS WHERE ESA BOUNDARIES MAY NOT BE ENFORCEABLE
- MUNICIPAL BOUNDARY
- PUBLIC WATER SUPPLY MANAGEMENT AREA BOUNDARY

## EXCLUSIVE SERVICE AREAS

- EXCLUSIVE SERVICE AREA ASSIGNED TO FIRE DISTRICT
- EXCLUSIVE SERVICE AREA ASSIGNED TO LOCAL COMMISSION
- EXCLUSIVE SERVICE AREA ASSIGNED TO TOWN
- EXCLUSIVE SERVICE AREA UNASSIGNED
- AQUARION WATER COMPANY
- AVON WATER COMPANY
- BETHEL WATER DEPARTMENT
- BRISTOL WATER DEPARTMENT
- CITY OF NORWALK FIRST TAXING DISTRICT
- CONNECTICUT WATER COMPANY
- DANBURY WATER DEPARTMENT
- GROTON LONG POINT ASSOCIATION
- GROTON UTILITIES
- HAZARDVILLE WATER COMPANY
- HERITAGE VILLAGE WATER COMPANY
- JEWETT CITY WATER COMPANY
- MANCHESTER WATER DEPARTMENT
- MERIDEN WATER DIVISION
- METROPOLITAN DISTRICT COMMISSION
- MIDDLETOWN WATER DEPARTMENT
- NEW BRITAIN WATER DEPARTMENT
- NEW LONDON DEPARTMENT OF PUBLIC UTILITIES
- NORWICH PUBLIC UTILITIES
- PORTLAND WATER DEPARTMENT
- SHARON WATER DEPARTMENT
- SOUTH CENTRAL CONNECTICUT REGIONAL WATER AUTHORITY
- SOUTH NORWALK ELECTRIC & WATER
- SOUTHEASTERN CONNECTICUT WATER AUTHORITY
- SOUTHTONING WATER DEPARTMENT
- SPRAGUE WATER & SEWER AUTHORITY
- TORRINGTON WATER COMPANY
- VALLEY WATER SYSTEMS
- WALLINGFORD WATER DIVISION
- WATERBURY WATER DEPARTMENT
- WINDHAM WATER WORKS
- WINSTED WATER WORKS
- WOLCOTT WATER DEPARTMENT



NOTE: NO ATTEMPT HAS BEEN MADE ON THIS MAP TO DIFFERENTIATE BETWEEN PRELIMINARY, FINAL RECOMMENDED, AND APPROVED EXCLUSIVE SERVICE AREA (ESA) BOUNDARIES. REFER TO THE PRELIMINARY ESA DOCUMENTS FOR SUCH BREAKDOWN.

## 7. Discussion of Potential Schedule and Priorities for Integrated Report



# Integrated Report Topics



- Regional Analysis of Population and Service Ratio, Consumption, and Safe Yield for 5-, 20-, and 50-year Planning Periods, by User Category
- Surplus Supply for Future Interconnections and Impact of Interconnections
- Joint Use of Facilities, Satellite Management
- Minimum Design Standards
- Water Conservation
- Potential Alternative Future Water Supplies
- Potential Impact on Other Water Resource Needs (Water Quality, Recreation, Hydropower, Aquatic Habitat)
- Financial Considerations
- Compatibility of CWSP with local, regional, and state plans
- ***These will be discussed at a planning level, not site specific***

# WSA Topics (Remember Chapter 7?)

- Maintenance and replacement of existing supply sources
- Impacts of Climate Change
- Impacts of Streamflow Regulations
- Impacts of Existing and Future Anticipated Regulations
- Source Water Protection
- Raw Well Water Quality
- Reasonable Coordination of Planning between systems, including across ESA boundaries
- Coordination of Planning between systems and towns
- Disjointed service areas
- Use of Current Data
- Small system challenges and viability
- High volume users
- Declining revenue vs. increasing costs
- Increasing peaking ratios
- Aging infrastructure
- Lack of fire protection

# Other Considerations



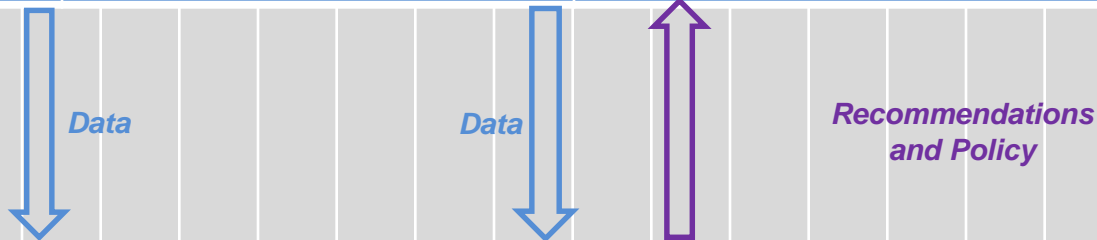
## State Water Plan

**Phase I**                      **Phase II**                      **Follow-up and Run-up to Legislature**



## Coordinated Water System Plan

**PWSA**      **FWSA**      **ESA Document**      **Integrated Report**

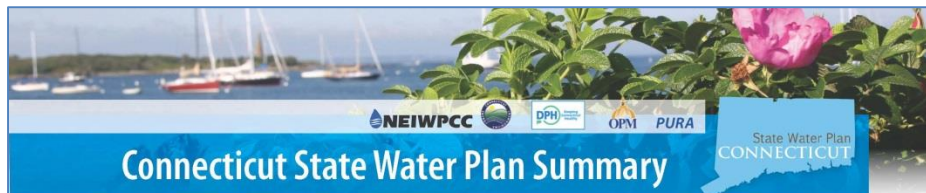


**Assessments**                      **Resilience Plan**

## Drinking Water Vulnerability Assessment and Resiliency Plan

Jun. 2016    Jul. 2016    Aug. 2016    Sep. 2016    Oct. 2016    Nov. 2016    Dec. 2016    Jan. 2017    Feb. 2017    Mar. 2017    Apr. 2017    May 2017    Jun. 2017    Jul. 2017    Aug. 2017    Sep. 2017    Oct. 2017    Nov. 2017    Dec. 2017    Jan. 2018    Feb. 2018    Mar. 2018    Apr. 2018    May 2018

# Other Considerations



**Background:** On July 1, 2014, Public Act 14-163, "An Act Concerning the Responsibilities of the Water Planning Council," directed the state's Water Planning Council (WPC) to develop a State Water Plan in accordance with 17 specific requirements. The WPC is comprised of representatives of the four state entities with oversight or regulatory responsibility for water management: The Department of Energy and Environmental Protection (DEEP), the Department of Public Health (DPH), the Office of Policy and Management (OPM), and the Public Utilities Regulatory Authority (PURA). While Connecticut has historically enjoyed plentiful, clean water, unique factors in the state have combined to warrant an evaluation of water management options in the future:

- The recent drought in 2016 raised awareness that even in Connecticut, river basins can be depleted.
- Connecticut is the only state in the U.S. that actively and consistently promotes public health with the highest quality drinking water (Class A). This maximizes health benefits and minimizes treatment costs. This could, however, limit future drinking water sources.
- New state streamflow requirements downstream of water supply reservoirs are highlighting the ecological need for water, which must be balanced with other water needs.
- Future climate trends in the northeast are uncertain, and planning for adaptation is essential.

**Goals:** The overarching goal of the Plan, as defined by participating stakeholders, has been to "Balance the use of water to meet all needs." More specifically, the goals included protection of public health and quality of life, protection of the environment, cost-effective water management, preparation for uncertain future climate conditions, reliance on science and

data, and inclusion of Connecticut citizens in water management. Phrased together, the Plan aims to protect water quantity and quality for all of its current and future uses when regulations, climate, and economic conditions are changing. To do so, it provides technical information and policy recommendations to help inform legislative and regulatory decisions. The Plan does not attempt to prioritize any particular water use or water use category over others; that is, instream needs and out-of-stream needs are not prioritized by are accounted for in each basin's ability to provide for these needs with naturally available water. Likewise, specific uses of water, if currently permitted by state law and regulation, are neither advocated nor diminished relative to other uses. Instead, the Plan provides technical information and guiding principles that may be used to inform decisions across the state on a case-by-case basis, or in the form of future legislation.

#### Planning Process and Stakeholders:

To include citizens of Connecticut in the planning process, a series of public outreach meetings was held across the state. Coupled with this were six workshops and dozens of subcommittee meetings in which stakeholders identified by the WPC collaborated on developing areas of consensus on water policy, priorities for action, best use of available data, and the next steps for implementing the Plan. Stakeholders represented a broad cross-section of water interests, including public and



- The Water Planning Council would like to present the draft State Water Plan to the WUCCs in June, July, or August 2017

# Potential Topic Schedule



WSA	Stat.	Reg.	Task	Jun	Jul	Aug	Sep	Oct	Nov	Dec
			State Water Plan summary							
			Request and receive data from utilities							
✓			Maintenance and replacement of existing supply sources / asset management (aging infrastructure)							
✓		✓	Financial Considerations / declining revenue vs. increasing costs							
✓	✓		Coordination of planning (between systems, with towns, across ESA boundaries)							
✓		✓	Source Water Protection							
	✓	✓	Joint Use, Management, or Ownership of Facilities, Shared Resources							
✓			Lack of fire protection							
✓	✓		Water Conservation / Drought Planning / High volume users / Increasing peaking ratios							
✓	✓	✓	Satellite Management / Small System challenges and viability							
		✓	Minimum Design Standards							
✓	✓	✓	Future Sources / Raw Well Water Quality / Acquisition of land for new stratified drift wells							
✓	✓	✓	Future Interconnections and Impact (including WQ) / disjointed service areas / integration							
✓			Impacts of Climate Change							
✓			Impacts of Existing and Future Regulations							
	✓	✓	Potential Impacts on Other Use of Water Resources, including WQ, Flood Management, Recreation, Hydropower, and Aquatic Habitat Issues							
		✓	Regional Population and Service Ratio, Consumption by Demand Category, Safe Yield (Impacts of Streamflow Regulations), Excess Water							
	✓	✓	Compatibility with local, regional, and state plans							
✓			Other issues							

# Potential CWSP Schedule



Action	Timeline
• Issue draft Preliminary CWSP*	By December 2017
• Discuss draft Preliminary CWSP	January 2018 meeting
• Issue final draft Preliminary CWSP	January 31, 2018
• Approve Preliminary CWSP for Public Comment	February 2018 meeting
• Min. 30-Day Public Comment period	February to March 2018
• Final prioritization of recommendations, discuss public comments to date	March 2018 meeting
• Issue draft Final CWSP	March 31, 2018
• Review public comments • Review draft Final CWSP	April 2018 meeting
• Issue final draft Final CWSP for review	April 30, 2018
• Approve Final CWSP for Submission to DPH	May 2018 meeting

\*CWSP = *Integrated Report and Executive Summary*

## 8. Public Comment

## 9. Other Business



Adjourn