



Monthly Meeting #12

Coordinated Water System Plan Eastern Region

Northeastern Connecticut Council of Governments, Dayville, Connecticut | May 10, 2017

Agenda



1. Welcome & Roll Call (5 minutes)
2. Approval of April Meeting Minutes (5 minutes)
3. Formal Correspondence (5 minutes)
4. Public Comment Period (10 minutes)
5. Call for Nominations to Fill Open Tri-Chair Position (15 minutes)
6. Election to Fill Open Tri-Chair Position (10 minutes)
7. Review of Public Comments on Preliminary ESA Document (15 minutes)
8. Review of Draft Final ESA Document (25 minutes)
9. Statement of Confirmation Submissions – Status Update (10 minutes)
10. Discussion of Potential Schedule and Items for Integrated Report (10 minutes)
11. Other Business (10 minutes)

1. Welcome and Roll Call

2. Approval of Meeting Minutes

3. Formal Correspondence

Formal Correspondence



Date	From	To	Main Topic(s)
4/13/2017	Eastern WUCC Secretary	Separate emails to each ESA Holder in the Eastern PWSMA	Distributed Statements of Confirmation for signature with ESA Map Index tables; Included old Statement of Confirmation from former Southeastern WUCC for reference if applicable
4/27/2017	Mike Cherry, Ledyard WPCA	Eastern WUCC Chairs	Noted that due to family obligations and other conflicts he could no longer serve as Ledyard WPCA's representative to the Eastern WUCC
5/1/2017	Eastern WUCC Secretary	Eastern WUCC members and ESA holders	Link to Draft Final ESA Document for review

Taking Stock

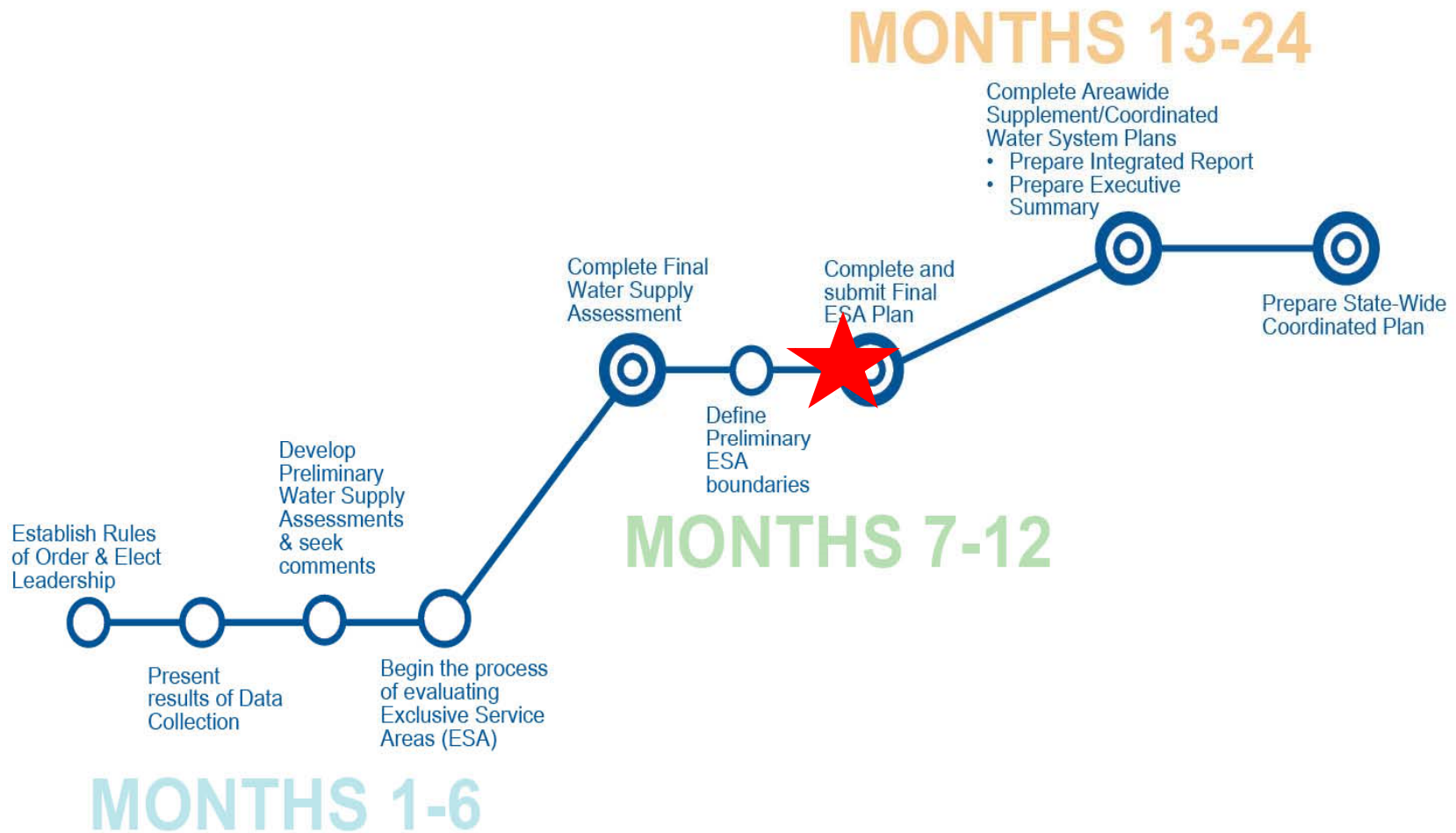


- ***What Have We Accomplished?***
 - ✓ A first draft Final ESA Document was released for WUCC member & ESA holder review

- ***What Are We Doing Today?***
 - ✓ Considering open Tri-Chair position
 - ✓ Reviewing changes to the Preliminary ESA Document to date
 - ✓ Considering potential scheduling for Integrated Report topics

- ***What's Next?***
 - ✓ Prepare final draft Final ESA Document
 - ✓ Continue collecting Statements of Confirmation
 - ✓ Approve Final ESA Document for submission to DPH
 - ✓ Start work on the Integrated Report

WUCC Time Frame



4. Public Comment

5. Call for Nominations to Fill Open Tri-Chair
Position

6. Election to Fill Open Tri-Chair Position

Suggested Qualifications of Officers



- Must be a specific individual, not a public water system or COG at large
- Should not hold a Chair or Secretary position in another WUCC (due to potential schedule conflicts)
- Should have a strong understanding of water utility issues for both large and small utilities (if not possible, a combination of experience is recommended)
- Must be able to put facilitating the process above specific utility interests (should step aside during conflicts of interest)
- Must have ready access to email
- Preference for combination of Officers to represent private, municipal, small, and large systems and/or a COG

Responsibilities of Chairs



- Consistently attend all WUCC meetings
- Prepare monthly agenda and meeting notices
- Prepare WUCC correspondence / press releases
- Oversee sub-committees / schedule
- Facilitate monthly meetings
- Interface with DPH, MMI, and Recording Secretary
- Facilitate / mediate conflict
- Participate in periodic coordination meetings w/MMI & DPH

Election of Chairs

- Call for candidates
- Introduction of candidates
- Election



7. Review of Public Comments on ESA Document

ESA Process Schedule



Action	Timeline
Review draft final ESA Document; Identify ESA Holders who may need assistance with Statements of Confirmation; Clean up ESA maps if needed	May 10, 2017 Meeting
Approval of ESA Document; Begin ESA Modifications	June 14, 2017 Meeting

Final Recommended ESA Boundaries will become enforceable upon submittal to DPH in June.

Public Comments Received

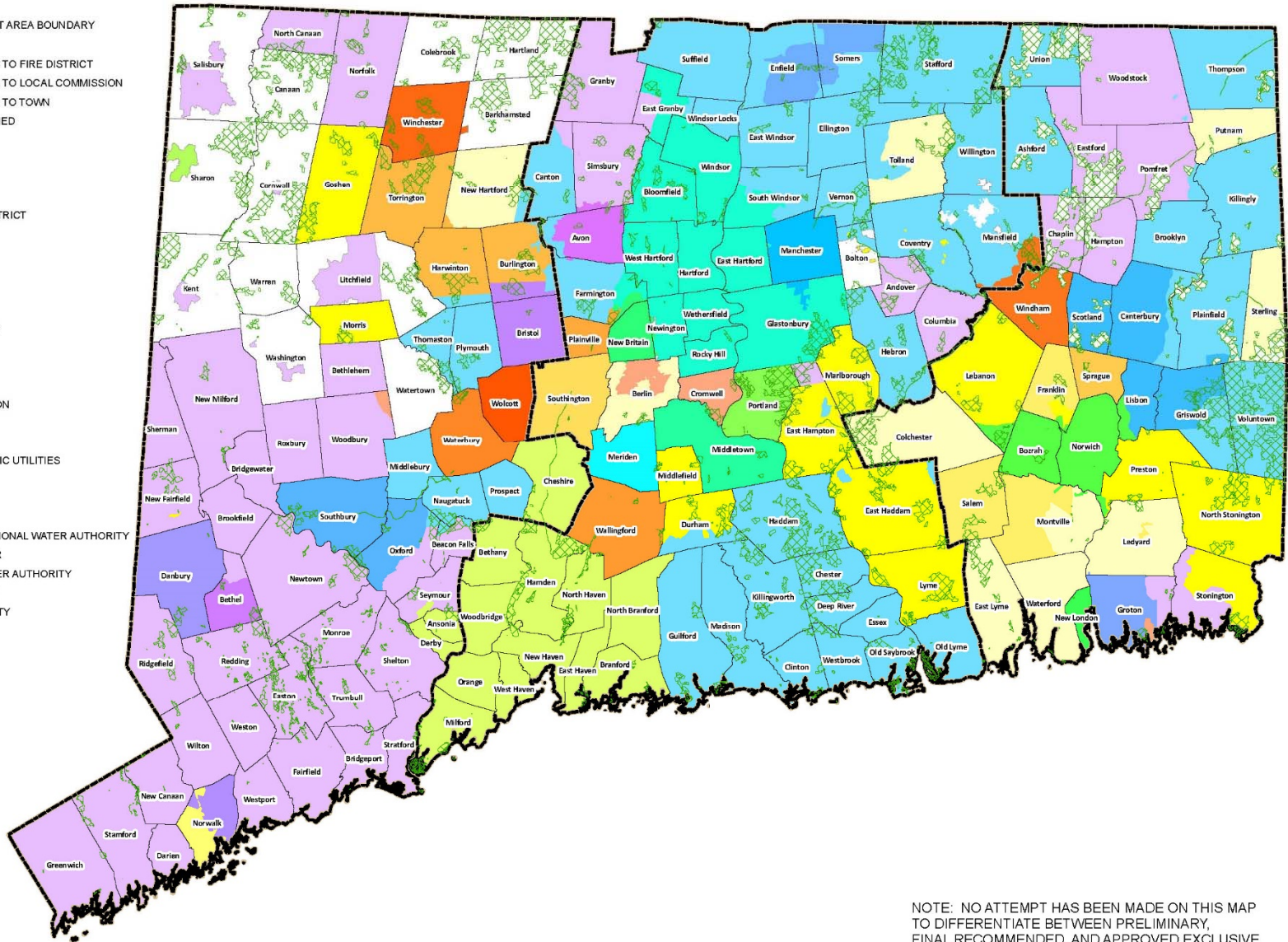


Date	From	To	Main Topic(s)
4/3/2017	DEEP	Western, Central, and Eastern WUCC Chairs	Encourages each WUCC to finalize the same designations for DEEP lands in the final ESA Documents
4/10/2017	Aquarion Water Company	WUCC Officers	Correction to Aquarion System area and label on Town of Stonington Map
4/11/2017	DPH	WUCC Officers	Acknowledgement that all components outlined in RCSA Section 25-33h-1(d)(B) have been included; requests that WUCC continue to work with local officials through the remainder of the planning process
4/11/2017	SCCOG	MMI	Typo on Page 1-1 (Central)
4/12/2017	Ledyard WPCA	MMI	Requested edits to ESA Map

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
 - SOUTHTON 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. OTHER SERVICE

SOURCES:

STATEWIDE MAP OF ESA BOUNDARIES TO DATE

Map By: SJS
Version: 10/1/2014, ver. 02

8. Review of Draft Final ESA Document

Comments Addressed



- Updated ESA maps for existing service area updates and labels as requested
- Updated corrected text as requested
- Updated sections with “Preliminary” text to represent “Final Recommended” conditions
- Added Section 1.4 to discuss Public Comments, and Appendix D to present public comments
- Updated Table 2-3 and Section 2.2.2 with recent WUCC efforts in the ESA process
- Expanded Table 2-4 to include all ESA holders
- Added Statewide ESA Map as Appended Figure 2
- Updated ESA Maps from “Preliminary” to “Final Recommended”
- General document clarifications and updates

Comments for Final Draft



- NPU requested table and text updates discussing their ESA in Montville
- Any other comments?

9. Statement of Confirmation Submissions – Status Update

Statements of Confirmation Status



ESA Holder	Completed or In Process	Needs Assistance
Aquarion Water Company	5/2/2017	
Colchester Water & Sewer Commission		
Connecticut Water Company		
East Lyme Water & Sewer Commission		
Franklin, Town of		
Groton Long Point Association	4/22/2017	
Groton Utilities		
Jewett City Water Company		
Lebanon, Town of	4/18/2017	
Ledyard WPCA	In process	X
Montville WPCA		
New London Dept. of Public Utilities		
Noank Fire District		



Statements of Confirmation Status

ESA Holder	Completed or In Process	Needs Assistance
North Stonington, Town of	4/24/2017	
Norwich Public Utilities	4/21/2017	
Preston, Town of	5/9/2017	
Putnam WPCA	4/30/2017	
Southeastern Conn. Water Authority	5/8/2017	
Sprague Water & Sewer Authority		
Sterling Water Company (Town)	5/3/2017	
Stonington, Town of	4/19/2017	
Waterford Utilities Commission	5/10/2017	
Windham Water Works	5/4/2017	

- Any others need assistance?

10. Discussion of Potential Schedule and Items 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, including Unassigned areas
- 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

Data

Data

Recommendations
and Policy

Coordinated Water System Plan

PWSA

FWSA

ESA Document

Integrated Report

Data

Data

Recommendations
and Policy

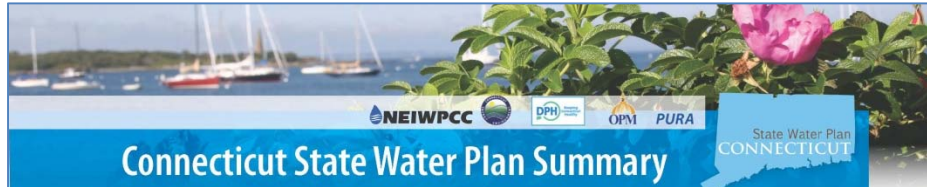
Assessments

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



Connecticut State Water Plan Summary


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



CDM Smith **MILONE & MACBROOM**

- 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	June	July	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 22, 2017
• Discuss draft Preliminary CWSP	January 10, 2018 meeting
• Issue final draft Preliminary CWSP	January 31, 2018
• Approve Preliminary CWSP for Public Comment	February 14, 2018 meeting 
• Min. 30-Day Public Comment period	February 20 to March 22, 2018
• Final prioritization of recommendations, discuss public comments to date	March 14, 2018 meeting
• Issue draft Final CWSP	March 26, 2018
• Review public comments • Review draft Final CWSP	April 11, 2018 meeting
• Issue final draft Final CWSP for review	April 23, 2018
• Approve Final CWSP for Submission to DPH	May 9, 2018 meeting

*CWSP = Integrated report and executive summary

11. Other Business

Potential June 14th Meeting Agenda



1. Welcome & Roll Call
2. Approval of May Meeting Minutes
3. Formal Correspondence
4. Public Comment Period
5. Consider and Approve Final Recommended ESA Boundaries for 16 Municipalities
6. Consider and Approve Final Recommended ESA Document to be Submitted to DPH
7. Discussion of Potential ESA Modifications
8. Integrated Report Topics
9. Other Business