



Monthly Meeting #3

Coordinated Water System Plan Central Region

Middletown Police Department; 222 Main Street; Middletown, Connecticut | August 17, 2016

Agenda



1. Welcome & Roll Call (5 minutes)
2. Approval of July Meeting Minutes (5 minutes)
3. Formal Correspondence (5 minutes)
4. Public Comment (10 minutes)
5. Water Supply Assessment Review & Feedback (45 minutes)
6. Introduction to ESAs & Discussion (15 minutes)
7. Other Business (15 minutes)

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Preliminary Water Supply Assessment



Statutory & Regulatory Requirements

- CGS 25-33g: the WUCC develops a Preliminary Water Supply Assessment that goes to the public for input, and then the Final Water Supply Assessment is published (within 6 months of convening of the WUCC)
- RCSA 25-33h-1[(d)(2)(A)] defines the components of a Water Supply Assessment as follows:
 - i. Description of existing water systems
 - ii. Availability and adequacy of any future water sources
 - iii. Existing service area boundaries and public water system limits established by statute, special act, or administrative decision
 - iv. Present and projected growth rates, including population data, land use patterns and trends, and identification of lands available for development
 - v. Status of water system planning, land use planning, and coordination between public water systems

Statewide Coordinated Water System Plan

Western Coordinated
Water System Plan

Central Coordinated
Water System Plan

Eastern Coordinated
Water System Plan

Individual Water
Supply Plans

Areawide
Supplement*

Individual Water
Supply Plans

Areawide
Supplement*

Individual Water
Supply Plans

Areawide
Supplement*

*Areawide Supplement

- Water Supply Assessment
- Exclusive Service Areas
- Integrated Report
- Executive Summary

Preliminary Water Supply Assessment



Regulation Excerpts

- RCSA 25-33h-1[(d)(2)(A)]: the WSA must be *“factual and concise”*
 - The WSA is not intended to answer all questions or make significant decisions; rather it is a status document of current conditions
 - The WSA is intended set the stage for ESA determinations and the Integrated Report
- RCSA 25-33h-1[(d)(2)(C)(ix)]: the **Integrated Report** shall contain *“consideration of the potential impacts of the plan on other uses of water resources including water quality, flood management, recreation, hydropower, and aquatic habitat issues”*

Preliminary Water Supply Assessment



Organization of Document

1. Introduction
2. Existing Public Water Systems
3. Assessment of Future Water Supply Sources
4. Existing Service Areas
5. Population, Land Use, and Projected Growth
6. Status of Planning
7. Issues, Needs, and Deficiencies in the Region

Preliminary Water Supply Assessment



PWSA Section 1.0 – Introduction

- Description of the Coordinated Water System Planning Process
- Description of Components of the Coordinated Water System Plan
- Description of the Central Connecticut Public Water Supply Management Area
- Discussion of the Central Connecticut Water Utility Coordinating Committee membership
- Discussion of information sources used in developing the PWSA

Preliminary Water Supply Assessment



PWSA Section 2.0 – Existing Public Water Systems

- Composition of the Region
- Assessment of PWS Water Quality
- Overview of System Reliability, Service, and Supply Adequacy
- Assessment of Firefighting Capabilities
- Inventory of Major Facilities (groundwater supplies, surface water supplies, treatment, distribution pumping, storage, interconnections, planned expansion or alteration)

Preliminary Water Supply Assessment



PWSA Section 3.0 – Assessment of Future Water Supply Sources

- Summary of future identified supplies for community water systems that serve >1,000 people
- Reporting on whether additional supply may be needed *based on the individual water supply plan*
- Briefly describes the types of sources considered in the individual water supply plans and the DPH’s “high quality source list”

Preliminary Water Supply Assessment



PWSA Section 4.0 – Existing Service Areas

- Description of existing service areas for community water systems serving >1,000 people
- Map of existing service areas
- Summary of enabling legislation for community water systems serving >1,000 customers

Preliminary Water Supply Assessment



PWSA Section 5.0 – Population, Land Use, and Projected Growth

- Municipal Classifications and Population
- Historical Municipal Population
- Municipal Population Projections
- Community Water System Service Population Projections
- Land Uses and Available Land
 - Overview of Regional Planning Agencies
 - Land Uses Within the Central PWSMA
- Growth Trends
 - Housing Permits
 - Zoning

Preliminary Water Supply Assessment



PWSA Section 6.0 – Status of Planning

- Status of Individual Water System Planning
- Status of Municipal Planning
- Land Use Planning and Coordination for Source Protection
 - Community Water System Source Protection Efforts
 - Source Water Assessment Program
- Coordination Among Community Water Systems

Preliminary Water Supply Assessment



PWSA Section 7.0 – Issues, Needs, and Deficiencies in the Region

- Future Supply Sources
- Impact of Streamflow Regulations
- Coordination of Planning
- Challenges of Moving Water through Interconnections
- Need for New Interconnections
- Variable Well Water Quality
- Challenges Associated with New Public Water Systems
- Viability of Small Water Systems
- Challenges of Operating Small Systems
- Disjointed Service Areas
- Lack of Exclusive Service Areas
- Need for Source Water Protection
- Impact of Existing and Future Anticipated Regulations
- Continued Impacts of De-regulation of Electrical Industry
- Declining Revenue and Increasing Costs
- Need for Conservation
- Lack of Fire Protection
- Aging Infrastructure
- Lack of Funding

Water Supply Assessment Schedule



Action	Timeline
Incorporate edits/comments from WUCC members	August 17-31, 2016
Provide Draft Preliminary WSA to DPH, DEEP, OPM, and PURA for consultation per CGS 25-33g(a)	August 18, 2016
Final Draft Preliminary WSA to WUCC Members	September 6, 2016
Preliminary WSA Adoption	September 21, 2016 Meeting
30-Day Public Comment Period on Preliminary WSA	September 23, 2016 to October 24, 2016
WUCC Review & Action on Public Comment / Additional Member Comments – SPECIAL MEETING DATE	October 25, 2016 Meeting
Initial Draft Final WSA to WUCC Members	November 1, 2016
WUCC Review & Action on Public Comments / Additional Member Comments	November 16, 2016 Meeting
Final Draft of Final WSA to WUCC Members	December 1, 2016
Adoption of Final WSA – SPECIAL MEETING DATE	December 12, 2016 Meeting
Submission of Final WSA to DPH	December 15, 2016

Preliminary Water Supply Assessment

- Discussion



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Introduction to ESAs



- “Exclusive Service Area” is defined as “an area where public water is supplied by one system.”
- The WUCC must establish ESAs in consideration of the Final WSA
- Must be consensus by the WUCC on such boundaries, or a change to such boundaries, except:
 - Modification of existing ESA boundaries between two members can be made without a vote of the WUCC
- If no agreement, PURA makes a recommendation; if still no agreement, DPH makes final determination
- Per statute, existing service areas must be maintained, and existing ESAs must be considered

Introduction to ESAs



- Must not allow new service areas or main extensions that create duplication of services
- Any meeting where an ESA assignment is considered must be noticed with a map of the proposed boundary
- Determination of ESA Boundaries must consider the following:
 - Existing water service areas
 - Land use plans, zoning regulations, and growth trends
 - Physical limitations to water service
 - Political boundaries
 - Water company rights as established by statute, special act, or administrative decisions
 - System hydraulics
 - Ability of a water system to provide water into the future

ESA Process



- Existing ESAs for the most part should remain unchanged
- The WUCC will need to prepare Preliminary Exclusive Service Area Declaration forms to solicit claims
- Worksheets will be prepared by MMI to help WUCC members evaluate ESA claims
- If consensus is not reached, PURA and/or DPH will be consulted to assist with determination
- ESA holders will sign Statements of Confirmation acknowledging the ESA boundary and responsibilities

ESA Process

- Discussion



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