

Meeting Minutes
Western WUCC Convening Meeting
Brookfield Municipal Center – 100 Pocono Road, Brookfield, CT
August 8, 2017 10:00 AM

The Western Water Utility Coordinating Committee (WUCC) held a meeting on August 8th, 2017 at 10:00 a.m. at the Brookfield Municipal Center at 100 Pocono Road in Brookfield, Connecticut. Prior written notice of this meeting was given via emails from the Department of Public Health (DPH) to eligible WUCC members, chief administrative officials, local health directors, town clerks, the Secretary of State, state agencies (OPM, PURA, DEEP, CT Office of Consumer Counsel, CT DOT, CT DECD, the Commissioner of Agriculture), and other interested persons. Notice of the meeting was also posted on the DPH website <http://www.ct.gov/dph/wucc/>.

The following WUCC member representatives were in attendance (listed in alphabetical order of affiliation):

WUCC Member Representative	Affiliation
Dan Lawrence (Co-Chair)	Aquarion Water Company
Doug Arndt	Town of Bethel
Russell Posthauer (Co-Chair)	Candlewood Springs Property Owners Assoc.
Keith Nadeau	CT Water Co.
Mike Elliot	First Taxing District Water Department
David Banker	Metropolitan District Commission
Aaron Budris	Naugatuck Valley Council of Government
Wesley Marsh	Town of New Hartford
Donna Culbert	Newtown Health Department
Joanna Wozniak-Brown	Northwest Hills Council of Government
Tom Villa	South Norwalk Electric & Water

The following non-WUCC member representatives were in attendance (listed in alphabetical order of affiliation):

Non-WUCC Member Representative	Affiliation
Doug Hoskins	CT Department of Energy & Environmental Protection
Melissa Czarnowski	CT Department of Energy & Environmental Protection
Eric McPhee	CT Department of Public Health
David Murphy	Milone & MacBroom, Inc. (MMI)
Gail Lucchina	CT Public Utility Regulatory Agency
Peter Galant	Tighe & Bond

A copy of the meeting agenda is attached. The following actions took place:

1. Welcome & Roll Call

The Chairs opened the meeting at 10:08 AM. The chairs requested a roll call of attendees. Mr. Murphy provided a brief refresher of the process to date and an overview of the goals of the meeting.

2. Review of July Meeting Minutes

Mr. Lawrence asked if there were any comments or changes from the floor. No comments were made. Mr. Posthauer moved to approve the minutes. Mr. Villa seconded. Members voted unanimously to approve, Mr. Marsh abstained from the vote.

3. Review of Formal Correspondence

Mr. Banker stated that six correspondences had been sent or received by the Western WUCC since the last meeting:

- 2017-07-19 – Letter from DPH to Watertown Town Manager requesting water service area maps.
- 2017-07-26 – Email from Western WUCC via DPH requesting responses to Integrated Report modules.
- 2017-08-03 – Letter from Tighe & Bond to CT DPH providing Watertown Fire District service map
- 2017-08-04 – Response from Aquarion Water Company to the Western WUCC with answers to questions in modules 1-7.
- 2017-08-04 – Response from Connecticut Water Company to the Western WUCC with answers to questions in modules 1-7.
- 2017-08-07 – Response from DPH regarding email from Rivers Alliance

4. Public Comment

The Chairs opened the public comment period. No public comment was received.

5. Integrated Report Modules Review & Discussion

a) Maintenance & Replacement of Existing Supply Sources/Asset Management

- Mr. Murphy reviewed responses received from Aquarion Water Company and Connecticut Water Company
- Mr. Lawrence stated that he will reach out to municipal and small systems to obtain responses reflecting the issues being experienced by municipal and small water utilities.
- Mr. Villa stated that South Norwalk Electric and Water has been developing responses to the modules.
- Mr. Marsh affirmed the value of the modules and stated that we would coordinate to provide a response from the town of New Hartford.

- Mr. Lawrence stated that the private water utilities have benefited from WICA, which has allowed them to recover capital costs invested in the system independent of demand trends.
- Mr. Arndt stated that the Town of Bethel has made progress in addressing a backlog of deferred maintenance and capital projects, and will provide a response to the modules. They are also developing a GIS-based asset management program.
- Mr. Posthauer expressed the need to reach out to small system operators and emphasized that their responses may be more limited to yes/no and rough numbers or estimates of water utilized.
- Mr. McPhee described how DPH is providing sanitary survey staff with questions to ask operators, but the staff aren't receiving many answers.

b) Financial Considerations/Declining Revenue vs. Increasing Costs

- Mr. Murphy reviewed the module and the responses received.
- Mr. Marsh stated that the Town of New Hartford has been working to meter all customers, but this has not yet been completed.
- Mr. Lawrence stated that Aquarion has seen some reduction in water demands, but this is being offset to some degree by growth in the service area. He added that the WUCC should continue to discuss how to develop procedures for municipal water utilities to recapture revenue under decreasing sales such as WICA.

c) Coordination of Planning (Between Systems, with Towns, Across ESA Boundaries)

- Mr. Murphy reviewed the module and the responses received.
- Mr. Nadeau reviewed CT Water's communications process with towns; each town has a dedicated contact person to keep town officials up to date on issues, projects, etc.
- Mr. Lawrence stated that Aquarion has a similar process; even with this process, sometimes notifications are not received from a town, but having a fixed line of communication provides a benefit.

d) Source Water Protection

- Mr. Murphy reviewed the module and the responses received.
- Mr. Lawrence raised concerns with the development of high density low income housing, since this development can bypass planning and zoning and wetlands commissions in towns, which is where source water protection issues are often raised and addressed.
- Mr. Posthauer stated that known future water sources can often be lost by new development.
- Ms. Culbert asked the WUCC exactly which types of development projects were sent to water utilities for review, and the members replied that only the projects in watersheds and aquifer protection areas were sent for review.
- Mr. Lawrence discussed the difficulties with consistent communication and support from towns for source water protection with land use regulation, and asked if the regional councils of government would be willing to host outreach meetings.
- Mr. Budris stated that there has been increased focused on storm water mitigation with the new MS4 regulations, reducing the impact of runoff.
- Mr. Lawrence stated that further steps toward storm water and grey water reuse for irrigation, etc. are needed.

e) Joint Use, Management or Ownership of Facilities

- Mr. Murphy reviewed the module and the responses received.
- Mr. Lawrence observed the potential for utilities to work together for the joint purchase of power generation, water treatment chemicals and other materials.
- Mr. Arndt stated that small systems may pay substantially more for chemicals than large customers, but they are unaware of this.
- Mr. Arndt described a recent example of Bethel reaching out to Danbury through a vendor, and raised a potential of bordering utilities with similar vintage failing equipment from the same manufacturer notifying each other issues and/or working together to replace the equipment.
- Mr. Marsh noted that sharing is challenging for New Hartford because there aren't any adjacent water utilities.
- Mr. Villa & Mr. Elliot confirmed that South Norwalk Electric and Water and the First Taxing District share equipment and materials when needed.
- Ms. Wozniak-Brown asked if there were any effective methods of getting small systems to communicate. Attendees noted that this can happen through the operators, such as Eastern Water and Ron Black. She asked if there were already opportunities for operators to convene and share information, and attendees described opportunities through AWWA, CT AWWA, and CWWA such as ATCAVE, She noted that NWCOG hosts a quarterly meeting of highway directors that helps them communicate and share observations.
- Mr. Galant noted that CT AWWA has a small systems committee that is poorly attended.
- Mr. Lawrence stated that many utilities and operators use informal networks of contacts to find unavailable parts and materials.
- Mr. Lawrence offered to reach out to operators of multiple small systems to provide feedback on the module topics.
- Mr. McPhee will check to see if he can export a list of the operators and contact information based on publicly available data.

f) Fire Protection

- Mr. Murphy reviewed the module and the responses received. He then asked the attendees where fire protection is desired.
- Mr. Lawrence stated that fire protection in small systems is usually most desired in town center areas, but it can be difficult to build a system which efficiently provides the small daily domestic demand, but which can also meet large fire flow demands, while providing high quality water rather than stagnant water.
- Mr. Murphy noted that hazard mitigation plans typically describe where fire protected is desired.
- Mr. Arndt discussed the addition of a new water storage tank to the Bethel system, and the benefit with a recent fire in the town.
- Mr. Lawrence asked if lack of fire protection prevents development, and attendees noted that this generally was not the case.
- Mr. Lawrence stated that Aquarion provides fire departments they serve maps with the water mains color coded by main size. Several of these departments will carry over a thousand feet of fire hose, preferring to hook to larger water mains in streets adjacent to a fire location, if available.
- Attendees discussed the challenges associated with working in areas served by numerous small fire companies.

g) Water Conservation, Drought Planning, High Volume Users and Increasing Peaking Ratios

- Mr. Murphy reviewed the module and the responses received.
- Mr. Lawrence discussed Aquarion's recently-completed water conservation study. The company would like to avoid oversizing or undersizing future assets, and the study should help them make predictions. He noted that Aquarion continued use of a 2-day per week irrigation schedule and work with water conservation experts to develop projections for future water demands. Mr. Lawrence also mentioned decreased wastewater flows are leading to increased effluent water temperatures at wastewater treatment plants.
- Ms. Wozniak-Brown asked attendees how water audits are conducted, and a short discussion followed. She then asked if industries such as the metal plating industry have looked into ways to use less water, or if water utilities had teamed with such industries to identify water saving methods. Mr. Lawrence added to the discussion by describing the use of better landscaping choices to reduce water needs.
- Mr. Arndt stated that on the wastewater side of the industry, decreased water usage is leading to higher concentration of solids in wastewater, which can lead to more solids settling in sewers, potentially leading to clogging of the sewer.
- Mr. Lawrence discussed a water balance program in Massachusetts which requires new developments to offset their added water demand by installing water efficient devices in existing properties.
- Mr. Lawrence discussed a Watersmart customer portal (possibly in Darien) which Aquarion is testing with some customers in their service area. The messaging with the program may help reduce water use by customers. Aquarion is also utilizing monthly billing which should allow customers to more closely track their water usage.
- Mr. Elliot asked if Aquarion is planning to utilize their predictive watershed model for drought monitoring across all of their systems.
- Mr. Lawrence responded yes, the tool has already been rolled out to include their main Bridgeport system.
- Mr. Villa asked if the predictive modeling in 2016 demonstrated the conditions that are currently occurring in 2017. Mr. Lawrence noted that 2017 was somewhat more rainy than they had predicted.
- Mr. Hoskins noted that DEEP has recently convened an internal meeting to discuss the intricacies of water conservation "messaging."

6. Review Integrated Report Modules for the Next Meeting

- Mr. Murphy reviewed the list of modules for discussion at the September WUCC meeting, including the satellite management/small system challenges and viability, minimum design standards, future sources, raw well water quality and acquisition of land for new stratified drift wells.

7. Other Business

- Mr. McPhee stated that on September 19th DPH will be holding a free full day of training for watershed inspectors, which includes CEUs for operator license recertification.

No items were raised for discussion.

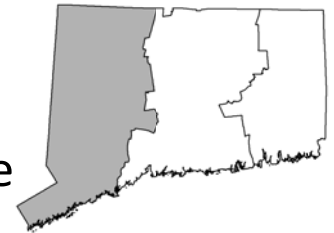
As there was no more business, Mr. Posthauer made a motion to adjourn. Mr. Villa seconded the motion. The motion passed unanimously and the meeting closed at 11:57 AM.

The next Western WUCC Meeting is scheduled for Tuesday September 12th, 2017 to be held at the Brookfield Municipal Center at 100 Pocono Road in Brookfield, Connecticut.

Respectfully Submitted,

David Banker, Recording Secretary – Western WUCC

Western Region Water Utility Coordinating Committee



Meeting Agenda August 8, 2017

Location: Brookfield Town Hall

Time: 10:00 a.m. to 12:00 p.m.

Russell Posthauer, Jr., Co-Chair
russellposthauer@ccaengineering.com
203-775-6207

Daniel Lawrence, Co-Chair
DLawrence@aquarionwater.com
203-362-3055

David Banker, Recording Secretary
DBanker@themdc.com
860-278-7850 Ext. 3650

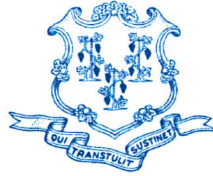
1. Welcome & Roll Call (5 minutes)
2. Review and Approval of July Meeting Minutes (5 minutes)
3. Review of Formal Correspondence (5 minutes)
4. Public Comment (5 minutes)
5. Presentation by DPH on Revised Water Supply Planning Guidance Related to Public Act 17-211 (30 minutes)
6. Integrated Report Modules Review & Discussion (60 minutes)
 - a) Maintenance & Replacement of Existing Supply Sources/Asset Management
 - b) Financial Considerations/Declining Revenue vs. Inc. Costs
 - c) Coordination of Planning (Between Systems, with Towns, Across ESA Boundaries)
 - d) Source Water Protection
 - e) Joint Use, Management or Ownership of Facilities
 - f) Fire Protection
 - g) Water Conservation, Drought Planning, High Volume Users and Increasing Peaking Ratios
7. Review Integrated Report Modules for next meeting (10 minutes)
8. Other Business, if time allows

If the meeting is postponed, the revised meeting date will be Tuesday August 15th.

STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH

Raul Pino, M.D., M.P.H.
Commissioner



Dannel P. Malloy
Governor
Nancy Wyman
Lt. Governor

Drinking Water Section

July 19, 2017

Robert M. Scannell
Town Manager
Town Hall Annex
424 Main Street
Watertown, CT 06795

SUBJECT: Public Water Service in Watertown

Dear Mr. Scannell,

I am sending you this letter as a follow up to discussions my staff has had with Watertown's two public water utilities, Watertown Fire District Water Department and Watertown Water and Sewer Authority, regarding Connecticut's water utility coordinating committee initiative and the establishment of exclusive service areas in Watertown. After consulting with my staff, I have determined that the Drinking Water Section does not have up-to-date maps of public water service areas in Watertown. This information is critical to these planning efforts.

The Drinking Water Section is requesting up to date service area maps for the Watertown Fire District Water Department and Watertown Water and Sewer Authority public water systems. Please also include any water main extensions that are under construction or are planned to be installed. Submission of this data is a requirement of Connecticut General Statutes Section 25-33(c).

If you have any questions regarding this letter please contact me directly at 860-509-7333.

Sincerely,

A handwritten signature in blue ink that reads "Lori J. Mathieu".

Lori J. Mathieu
Public Health Section Chief
Drinking Water Section

cc: Vincent Caterino, Watertown Water and Sewer Authority
Michael Tanuis, Watertown Fire District Water Department
David Murphy, Milone and MacBroom



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Hartford, Connecticut 06134-0308
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Banker, David

From: Iozzo, Richard <Richard.Iozzo@ct.gov>
Sent: Tuesday, July 25, 2017 2:54 PM
To: Mcphee, Eric; Dave Murphy (davem@miloneandmacbroom.com); Banker, David; russellposthauer@ccaengineering.com; Daniel Lawrence (DLawrence@aquarionwater.com)
Cc: Milardo, Justin
Subject: FW: Western WUCC August 2017 Agenda & Message
Attachments: 2017-08-08 Western WUCC Agenda.pdf; Integrated Report Planning Elements_final.docx; Integrated Report Planning Elements_rev20170721 - with Comments.pdf

Good Afternoon,

The attached and below was just sent via email to the Western WUCC distribution list. A web posting request was also submitted for the agenda to be posted on the Western WUCC's website.

Rich Iozzo,
Environmental Analyst 2
Drinking Water Section
Connecticut Department of Public Health
410 Capitol Avenue, MS #12DWS, Hartford, CT. 06134
Phone: 860-509-7333 Fax: 860-509-7359
Email: richard.iozzo@ct.gov



From: CT DPH WUCC
Sent: Tuesday, July 25, 2017 2:35 PM
To: CT DPH WUCC
Subject: Western WUCC August 2017 Agenda & Message

Good Afternoon,

Please find the attached agenda for the next Western WUCC monthly meeting scheduled for August 8, 2017 at the Brookfield Town Hall at 10:00 a.m.





The Western WUCC is currently collecting data and discussing topics which will be included in the WUCC's Integrated Report. It is important that the WUCC receives input from all members throughout the Integrated Report development process, to ensure that the report reflects the challenges and issues faced throughout the Western region. The discussion topics and questions have been separated into modules and included in the attached Word document. Discussion of the modules will occur over several meetings, with the modules indicated on each meeting agenda. The WUCC is requesting that members provide written responses to the questions in the modules prior to the

meeting they will be discussed in. Responses should be provided via electronic mail to the WUCC's consultant at DaveM@miloneandmacbroom.com. Additionally, the Integrated Report Planning Element document has been updated from its original form, see attached for a PDF copy with the updated text shown in color by the contributing party.

CT DPH WUCC

**FIGURE 1
ESA OVERVIEW**

LEGEND

-  WATER MAIN
-  WATERTOWN FIRE DISTRICT BOUNDARY
-  WATERTOWN FIRE DISTRICT SERVICE AREA
-  WATERTOWN FIRE DISTRICT EXCLUSIVE SERVICE AREA

LOCUS MAP



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Feet
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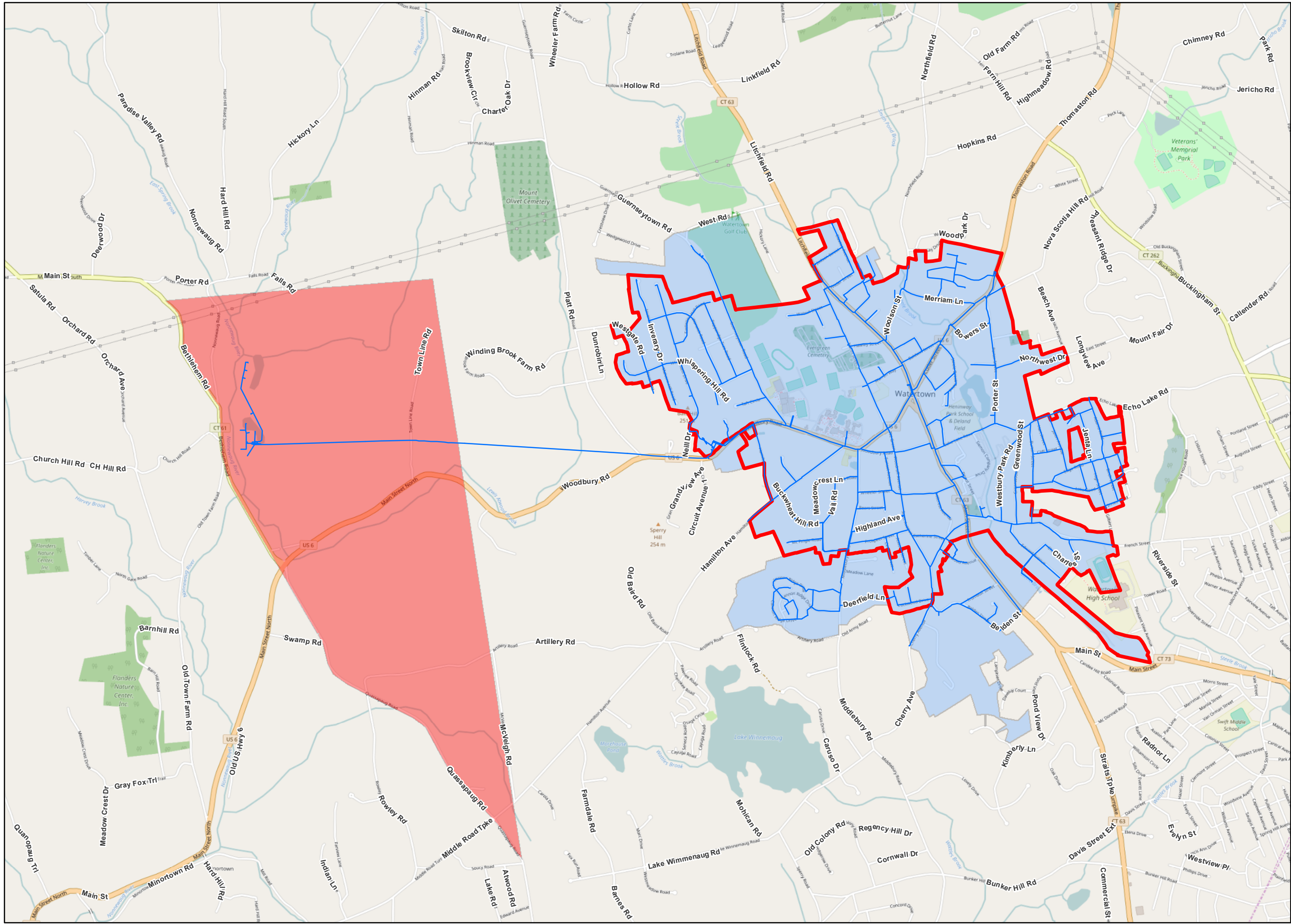
NOTES

1. Basemap: ESRI Open Street Map

**Watertown Fire District
Service Area**

August 2017

Tighe & Bond
Engineers | Environmental Specialists



STATE OF CONNECTICUT

DEPARTMENT OF PUBLIC HEALTH

Raul Pino, M.D., M.P.H.
Commissioner



Dannel P. Malloy
Governor
Nancy Wyman
Lt. Governor

DRINKING WATER SECTION

TO: Central Corridor Water Utility Coordinating Committee

CC: Western Water Utility Coordinating Committee
Eastern Water Utility Coordinating Committee
Milone and MacBroom

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

A handwritten signature in blue ink that reads "L. Mathieu".

DATE: August 7, 2017

RE: July 19, 2017 Email from Margaret Miner, Executive Director, Rivers Alliance

The Department of Public Health (hereinafter "the DPH") is in receipt of the email from Margaret Miner, Executive Director, Rivers Alliance, dated July 19, 2017, to the Central Corridor Water Utility Coordinating Committee (hereinafter "the WUCC"). In that email, Ms. Miner raised a number of questions regarding the planning process administered by the DPH in *Conn. Gen. Stat.* § 25-33f through 25-33h, inclusive. The DPH provides the following as guidance to the WUCC:

1. With respect to Ms. Miner's first question regarding when the WUCC will consider the potential impacts of the coordinated plan on other water resources, the WUCC, as required by *Conn. Gen. Stat.* § 25-33h(a) and § 25-33h-1(d)(2)(C)(ix) of the Regulations of Connecticut State Agencies, and as stated in the Final Water Supply Assessment and Final Recommended Exclusive Service Area documents, will consider the potential impacts of the coordinated plan on other water resources, including water quality, flood management, recreation, hydropower, and aquatic habitat, as well as the other required factors, in the integrated report section of the WUCC's coordinated plan. It is then that the DPH determined that the WUCCs should consider these potential impacts. As you know, throughout the planning process state agencies, including the Department of Energy and Environmental Protection (hereinafter "the DEEP"), and interested persons, such as Ms. Miner, are provided several opportunities to provide comments on the various sections of a WUCC's coordinated plan, as well as the coordinated plan. In upcoming meetings DPH will seek clarification from the consultant as to how these areas will be included.



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2. With respect to Ms. Miner’s second question regarding whether coordinated plans are more or less enforceable than water supply plans, as stated in *Conn. Gen. Stat.* § 25-33c, the purpose of the planning process administered by the DPH in *Conn. Gen. Stat.* § 25-33f through 25-33h, inclusive, and therefore the coordinated plan, is to maximize efficient and effective development of the state’s public water supply systems. The Connecticut General Assembly found in 1985 that “that an adequate supply of potable water for domestic, commercial and industrial use is vital to the health and well-being of the people of the state.” Similarly, as stated in *Conn. Gen. Stat.* § 25-32d(b), a water supply plan is required to evaluate the water supply needs in the service area of the water company submitting the plan and propose a strategy to meet such needs. Therefore, the coordinated plan, like a water supply plan, is a planning document.
3. With respect to Ms. Miner’s third question regarding exclusive service areas (hereinafter “ESAs”) and the difference between, for example, exclusive service areas and ESAS, there are only exclusive service areas, which are defined in *Conn. Gen. Stat.* § 25-33d to mean an area where “public water is supplied by one system.” A document may abbreviate the term “exclusive service areas” to ESA or to something else. For example, in the abbreviation section of the Central WUCC’s Final Recommended Exclusive Service Areas document, the Central WUCC chose to abbreviate it as ESA.
4. With respect to Ms. Miner’s fourth question regarding rights and responsibilities of a holder of an ESA, the rights and responsibilities of a holder of an ESA are enumerated in §§ 25-33h-1(k)(2)¹ and 25-33h-1(k)(5)² of the Regulations of Connecticut State Agencies, as well as in *Conn. Gen. Stat.* § 16-262m. The Final Recommended Exclusive Service Areas Boundaries document discusses these rights and responsibilities in section 3.

In the fourth question, Ms. Miner also asks whether the development of a new system is required to come to the WUCC to obtain the approval of the WUCC. *Conn. Gen. Stat.* § 25-33i prohibits the approval of a public water supply system within a public water supply management area after the Commissioner of Public Health has convened a WUCC unless (1) an existing public water supply system is unable to provide water service or (2) the WUCC recommends such approval. The Commissioner of Public Health convened the WUCC on June 15, 2016. Therefore, if, for example, an entity wished to develop a new system tomorrow, the entity is required to obtain approval of the WUCC before constructing such system.

Finally, in the fourth question, Ms. Miner asks what conditions a WUCC may put on the construction of a new system. As required by § 25-33h-1(k)(5) of the Regulations of Connecticut State Agencies, unless otherwise approved by the DPH, all new public water systems within a public water supply management area for which the DPH has approved a coordinated water system plan shall conform to or exceed minimum design provisions developed by the WUCC. In addition, *Conn. Gen. Stat.* § 16-262m, which sets out the Certificate of Public Convenience and Necessity (hereinafter “CPCN”) process, provides the factors that an entity wishing to construct a new system is required to satisfy to obtain a CPCN. For example, *Conn. Gen. Stat.* § 16-262m, administered by DPH, prohibits the DPH

¹ § 25-33h-1(k)(2) of the Regulations of Connecticut State Agencies states that “[w]ater utilities are responsible for providing adequate service as requested by consumers and under terms otherwise provided by statute, regulation and ordinance within their exclusive service area boundaries within a reasonable time frame. This may include but not be limited to development of supply sources, main extensions, or satellite management.”

² § 25-33h-1(k)(5) of the Regulations of Connecticut State Agencies requires that “[u]nless otherwise approved by the [DPH], all new public water systems and system improvements within a management area for which a coordinated water system plan has been approved shall conform to or exceed minimum design provisions developed by the WUCC”.

from issuing a CPCN if an interconnection is feasible with a water system owned by, or made available through arrangement with, the provider for the ESA, as determined pursuant to *Conn. Gen. Stat.* § 26-33g, or with another existing water system where no ESA has been assigned. *Conn. Gen. Stat.* §16-262m(c) and (e) provide the specific requirements that a proposed public water supply and an exclusive service area provider are to follow in the development, ownership and operation of a new system.

5. With respect to Ms. Miner's fifth question regarding the process for changing ESA boundaries, *Conn. Gen. Stat.* § 25-33g(b)³ provides the WUCC with the authority to change ESA boundaries and provides the process for doing so.

In addition, in the fifth question, Ms. Miner raises the concern that a change in an ESA boundary may also result in a change in the source of supply used to serve an area and therefore all affected stakeholders should have an opportunity to review such changes. Any proposed changes should be made a WUCC agenda item; members and stakeholders would then have an opportunity to attend and comment. The DEEP's diversion and stream flow regulations should address this concern.

If you have any questions, please do not hesitate to contact Eric McPhee, Supervising Environmental Analyst, DPH Drinking Water Section, at (860) 509-7333.

³ *Conn. Gen. Stat.* § 25-33g(b) states that a WUCC, in addition to establishing ESA boundaries, "may change such boundaries. If there is no agreement by the [WUCC] ...on a change to such boundaries, the [WUCC] shall consult with the Public Utilities Regulatory Authority. If there is no agreement by the committee after such consultation, the Commissioner of Public Health ... may change such exclusive service area boundaries taking into consideration any water company rights established by statute, special act or administrative decisions. ... In considering any change to exclusive service area boundaries, the commissioner shall maintain existing service areas, consider established exclusive service areas, and consider the orderly and efficient development of public water supplies."