Coordinated Water System Plan
Part III: Final Integrated Report

Central Connecticut Public Water Supply Management Area

June 4, 2018

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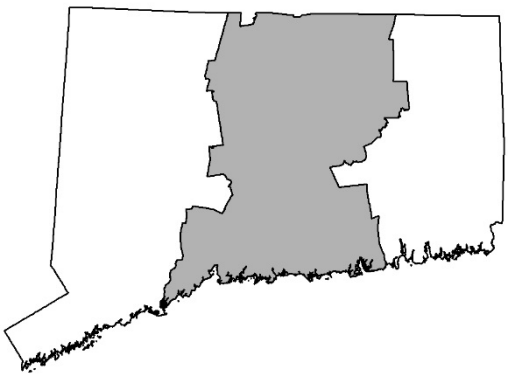

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NOTICE TO READERS

This document was prepared under a grant from the United States Environmental Protection Agency (EPA) administered by the Connecticut Department of Public Health (DPH). Points of view or opinions expressed in this document are those of the Central Water Utility Coordinating Committee and do not necessarily represent the official position or policies of the EPA or the Connecticut DPH.

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This document could not be completed without the time and dedication of the Water Utility Coordinating Committee (WUCC) Officers and active WUCC membership, defined as those members who regularly attended Central Connecticut WUCC meetings or provided written comments on the process.

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Connecticut Water Company	New Britain Water Department
Cromwell Fire District	Portland Water Department
Town of Durham	South Central Connecticut Regional Water Authority
Town of East Haddam	South Central Region Council of Governments
East Hampton Water Pollution Control Authority	Southington Water Department
Town of Haddam	Tolland Water Commission
Hazardville Water Company	Wallingford Water Division
Lower Connecticut River Valley Council of Governments	

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The Central Connecticut WUCC also appreciates the time and effort of the numerous non-member stakeholders who participated in and have contributed valuable insight to this process:

Stakeholders	Stakeholders
Connecticut Department of Energy & Environmental Protection	Prime AE Group
Connecticut Department of Public Health	Quinnipiac River Watershed Association
Connecticut Office of Policy & Management	RCAP Solutions
Connecticut River Watershed Council	Rivers Alliance of Connecticut
Farmington River Watershed Association	Save Our Water - CT
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DEFINITIONS

Areawide Supplement – A part of a coordinated water system plan that addresses areawide water system concerns pertaining to the public water supply management area that are not otherwise included in each water company's individual water system plan. The supplement identifies the present and future water system concerns, analyzes alternatives, and sets forth means for meeting those concerns. An areawide supplement consists of a water supply assessment, exclusive service area boundaries, integrated report, and executive summary.

Available Water – Per RCSA Section 25-32d-1a(4), the maximum amount of water a company can dependably supply, taking into account the following reductions applied to safe yield: any limitations imposed by hydraulics, treatment, well pump capabilities, reductions of well yield due to clogging that can be corrected with redevelopment, transmission mains, permit conditions, source construction limitations, approval limitations, or operational considerations; and the safe yield of active sources and water supplied according to contract provided that the contract is not subject to cancellation or suspension, assures the availability of water throughout a period of drought, and that the supply is reliable.

Coordinated Water System Plan – The individual water system plans of each public water system within a public water supply management area, filed pursuant to Section 25-32d of the Connecticut General Statutes, and an areawide supplement to such plans developed pursuant to Connecticut General Statute 25-33h that addresses water system concerns pertaining to the public water supply management area as a whole.

Exclusive Service Area (ESA) – An area where public water is supplied, or will be supplied, by one system. ESA boundaries comprise Part II of the areawide supplement. As part of the ESA assignment process, all existing public water systems automatically receive an ESA designation for their existing service area, be it the parcel(s) they serve or the area around their existing water mains. Public water systems and municipalities were also requested to declare for the ESA for areas currently unserved by public water systems; this is described in more detail in the Coordinated Water System Plan, Part II document published in June 2017.

Exclusive Service Area (ESA) Designation – The combination of the ESA holder and associated ESA boundaries.

Exclusive Service Area (ESA) Holder – A utility or municipality who has been assigned or recommended an ESA that includes areas not presently served by its existing system.

Executive Summary – An abbreviated overview of the coordinated water system plan for the public water supply management area that summarizes the major elements of the coordinated water system plan. The Executive Summary comprises Part IV of the areawide supplement.

Integrated Report – An overview of individual public water systems within the management area that addresses areawide water supply issues, concerns, and needs and promotes cooperation among public water systems. The report comprises Part III of the areawide supplement.

DEFINITIONS (CONTINUED)

Public Water Supply Management Area (PWSMA) – An area for coordinated water supply planning determined by the Commissioner of the Department of Public Health to have similar water supply problems and characteristics.

Public Water System (PWS) – Any private, municipal, or regional utility supplying water for human consumption through pipes or other constructed conveyances to at least 15 service connections or serving an average of at least 25 people daily for at least 60 days per year. Types of regulated public water systems are discussed below:

Community Water System (CWS) – A public water system that regularly supplies water to at least 15 service connections or at least 25 of the same population year-round. Examples include residential subdivisions, cluster-housing projects, homeowners associations, municipalities, tax districts, apartment buildings or complexes, residential and office condominium developments, elderly housing projects, convalescent homes, and trailer or mobile home parks.

Non-Community Water System – A public water system that serves at least 25 persons at least 60 days per year and is not a Community or seasonal water system.

Non-Transient Non-Community (NTNC) Water System – A public water system that regularly supplies water to at least 25 of the same people (such as students or employees) over 6 months per year and is not a Community Water System. Some examples are schools, factories, office buildings, and hospitals that have their own water systems.

Transient Non-Community (TNC) Water System – Any non-community water system that does not meet the definition of a NTNC water system. It is a public water system that provides water in a place such as a gas station convenience store, small restaurant, or campground where people do not remain for long periods of time.

Seasonal Water System – A public water system that operates on a seasonal basis for 6 months of the year or fewer. These are typically regulated as NTNC Water Systems - unless sufficient service is available to meet the definition of a CWS - and often include campgrounds and shorefront communities.

Safe Yield – The maximum dependable quantity of water per unit of time that may flow or be pumped continuously from a source of supply during a critical dry period without consideration of available water limitations. The safe yield calculation for a source does not take into consideration any potential impacts to the environment.

Satellite Management – Management of a public water supply system by another public water system. Satellite management services may include operation, maintenance, administration, emergency and scheduled repairs, monitoring and reporting, billing, operator training, and the purchase of supplies and equipment.

Satellite System – A non-connected CWS of an existing system. Colloquially, a non-connected community or non-community public water system owned by a public water service provider.

DEFINITIONS (CONTINUED)

Water Supply Assessment – An evaluation of water supply conditions and problems within the public water supply management area. The evaluation is Part I of the areawide supplement.

Water Utility Coordinating Committee (WUCC) – A committee consisting of one representative from each public water system with a source of supply or service area within the PWSMA and one representative from each regional council of government within the PWSMA, elected by majority vote of the chief elected officials of the municipalities that are members of such regional council of government.

ABBREVIATIONS

A4WE	Alliance for Water Efficiency
ADD	Average Day Demand
AMI	Advanced Metering Infrastructure
AMR	Automatic Meter Reading
APA	Aquifer Protection Area
ASRWWA	Atlantic States Rural Water and Wastewater Association
AWC	Aquarion Water Company
AWWA	American Water Works Association
BFE	Base Flood Elevation
CAT	Capacity Assessment Tool
CEPA	Connecticut Environmental Policy Act
cfs	cubic feet per second
CGS	Connecticut General Statute(s)
CIRCA	Connecticut Institute for Resilience and Climate Adaptation
COGs	Councils of Government
CPCN	Certificate of Public Convenience and Necessity
CRCOG	Capitol Region Council of Governments
CT SDC	Connecticut State Data Center
CWC or CTWC	Connecticut Water Company
CWS or CWSs	Community Water System(s)
CWSP or CWSPs	Coordinated Water System Plan(s)
DEEP	Department of Energy & Environmental Protection
DPH	Department of Public Health
DWQMP	Drinking Water Quality Management Plan
DWSRF	Drinking Water State Revolving Fund
EPA	Environmental Protection Agency
ESA or ESAs	Exclusive Service Area(s)
FEMA	Federal Emergency Management Agency
FERC	Federal Energy Regulatory Commission
FIRM	Flood Insurance Rate Map
FOIA	Freedom of Information Act
GMP	Growth Management Principle
gpcd	gallons per capita per day
gpd	gallons per day
MCL	Maximum Contaminant Level
MDC	Metropolitan District Commission
mgd	million gallons per day
MMADD	Maximum Month Average Day Demand
MMI	Milone & MacBroom, Inc.
MOS	Margin of Safety
NDDB	Natural Diversity Database
NFIP	National Flood Insurance Program
NTNC	Non-Transient Non-Community
OPM	Office of Policy and Management

ABBREVIATIONS (CONTINUED)

PCB	Poly-Chlorinated Biphenyls
PDD	Peak Day Demand
POCD or POCDs	Plan(s) of Conservation and Development
PURA	Public Utilities Regulatory Authority
PWS	Public Water System
PWSMA	Public Water Supply Management Area
RCSA	Regulations of Connecticut State Agencies
RGQ80	Rearing and Growth 80% duration flow
RiverCOG	Lower Connecticut River Valley Council of Governments
SCCRWA	South Central Connecticut Regional Water Authority
SCCOG	Southeastern Connecticut Council of Governments
SCRCOG	South Central Region Council of Governments
SFHA	Special Flood Hazard Area
STEAP	Small Town Economic Assistance Program
SWAP	Source Water Assessment Program
TNC	Transient Non-Community
USACE	United States Army Corps of Engineers
USDA	United States Department of Agriculture
USEDA	United States Economic Development Administration
USGS	United States Geological Survey
WICA	Water Infrastructure and Conservation Adjustment
WPCA	Water Pollution Control Authority
WSA	Water Supply Assessment
WSP or WSPs	Water Supply Plan(s)
WUCC or WUCCs	Water Utility Coordinating Committee(s)
WWW	Windham Water Works

1.0 INTRODUCTION

1.1 Overview of Integrated Report

The Coordinated Water System Plan (CWSP) for the Central Public Water Supply Management Area (PWSMA) in Connecticut is comprised of the individual water supply plans (WSPs) of the public water systems within the PWSMA that serve over 1,000 people or have 250 or more service connections, and an areawide supplement that includes a Water Supply Assessment (WSA), delineation of Exclusive Service Area (ESA) boundaries, an Integrated Report, and an Executive Summary. The subject document, *Final Integrated Report*, is the third of four components of the areawide supplement and is intended to serve as a long-term planning tool for the Central PWSMA.

Section 25-33h-1 of the Regulations of Connecticut State Agencies requires each Water Utility Coordinating Committee (WUCC) to prepare an Integrated Report. Whereas the WSA process was an inventory of existing conditions and identification of issues, deficiencies, and needs, and the ESA process delineated service area providers to meet potential future needs, the subject Integrated Report analyzes future conditions in recognition of the newly established and historical ESA boundaries.

The regulations define 5-, 20-, and 50-year planning horizons. The 5-year horizon is projected from the time of the CWSP development (2018), which in this case would be the year 2023. The 20- and 50-year planning horizons are projected from the last U.S. census, or 2010. Accordingly, the 20- and 50-year planning horizons are 2030 and 2060, respectively.

Per the regulations, the Integrated Report must contain the following:

- Population and consumption projections for 5-, 20-, and 50-year planning periods for the public water supply management area as a whole and for each municipality within the area;
- Projected population, and historical and projected water demand by user category (e.g., residential) for the 5-, 20-, and 50-year planning periods for each public water system's ESA and for the combined service areas (each PWSMA overseen by a WUCC);
- Sources of supply, safe yield, and amounts of purchased water available for 5, 20, and 50-year planning periods for each public water system's ESA and for the combined service areas (each PWSMA overseen by a WUCC);
- Determination of the amount and percentage of projected population within each town within the PWSMA to be serviced by public water supplies for 5-, 20-, and 50-year planning periods (effect of population growth, decline, etc. on public water supply need);
- Identification of areas not within ESA boundaries and discussion of water supply alternatives;
- Discussion of the relationship and compatibility of the coordinated water system plan with proposed or adopted land use plans and growth policies, as reflected in local, regional and state plans. Consideration should be given to both protection and development of public water supply sources and to availability of public water service;

- Evaluation and identification in priority order of alternative water sources recommended to supply future areawide water system needs. Include appropriate ground or surface water studies, safe yield estimates and arrangement for development (supply and treatment) and delivery of the water supply;

- Plans for any necessary interconnection of both raw and treated water between public water systems for both daily and emergency water supply use;

- A plan for joint use, management or ownership of services, equipment, or facilities (e.g., for emergency use);

- A plan for satellite management or transfer of ownership;

- Provisions for minimum design standards applicable to all water system improvements and all new public water systems within the management area (e.g., suggested technical standards and details);

- Presentation of financial data as related to areawide issues such as interconnections, shared or joint use facilities, regional projects, and information not included in individual water system plans; and

- Consideration of the potential impacts of the CWSP on other uses of water resources, including water quality, flood management, recreation, hydropower, and aquatic habitat issues.

In December 2016, the Central WUCC published its WSA, which identified the following issues, needs, and deficiencies to be addressed in the Integrated Report:

Sources of Supply
- Future Supply Sources
- Impacts of Climate Change
- Impacts of Current Streamflow Regulations
- Impact of Future Anticipated Regulations
- Source Water Protection
- Compromised Groundwater Quality
- Environmental Concerns Associated with Water Withdrawals

Planning
- Coordination of Water Utility Planning
- Coordination of Planning between Utilities and Communities
- Disjointed Service Areas
- Use of Current Data

Interconnections
- Development of New Interconnections
- Movement of Water through Interconnections

Small Water Systems
- Challenges of Operating Small Systems
- New Public Water Systems

- Viability of Small Water Systems

Water Usage

- High Water Usage by Agricultural, Industrial, and Power Generation Facilities
- Declining Revenue and Increasing Costs
- Increasing Ratio of Peak-Day Demands to Average-Day Demands
- Replacement of Infrastructure
- Lack of Fire Protection
- Lack of Funding
- Water Conservation
- Enactment of Voluntary and Mandatory Conservation Measures

The above issues are addressed in the subject document, organized as follows:

- Section 1 presents an overview of the integrated planning process, the composition of the region, and organization of the plan and documents the public involvement process.

- Section 2 provides the context and coordination of planning within the region, explores existing and future water conservation practices, evaluates the potential impact of existing and future policies and regulations, and examines climate change and resiliency.

- Section 3 presents an areawide overview of the region, including town populations, populations served, existing and future demands, available water and forecasted deficits, and potential solutions of forecasted deficits.

- Section 4 evaluates satellite management and small system challenges.

- Section 5 presents an analysis of existing and potential system-specific and regional interconnections, including the manner in which interconnections are regulated and permitted.

- Section 6 explores the management and ownership of services, equipment, and facilities, including shared or joint use facilities and asset management.

- Section 7 presents a region-wide analysis of alternative future water supply sources, as well as a plan for potential land acquisition for the protection of stratified drift wells.

- Section 8 presents an analysis of the potential impact of the coordinated system plan on other uses of water resources.

- Section 9 presents a discussion of minimum design standards.

- Section 10 evaluates the compatibility of existing land uses and zoning with existing and potential future water supply source development.

- Section 11 presents a summary of planning cost estimates for plan implementation and evaluates potential funding sources.

- Section 12 presents a summary of recommendations and prioritization.

The Central PWSMA has inherited the Integrated Reports for the former Upper Connecticut River PWSMA, South Central PWSMA, and Southeastern PWSMA developed under Connecticut General Statutes (CGS) Section 25-33h-1. These reports were consulted as part of the current effort.

The subject document was prepared by Milone & MacBroom, Inc. (MMI) in coordination with the Central WUCC. For an overview of the full planning process, please refer to Section 1 of the *Final Water Supply Assessment* (WSA) for the Central PWSMA dated December 2016, an electronic copy of which is hosted on the Connecticut Department of Public Health (DPH) website under the Central WUCC webpage. In addition, please refer to the *Final Exclusive Service Area Boundaries* document dated June 2017, also hosted on the Central WUCC webpage.

1.2 Overview of the Central Public Water Supply Management Area

The Central Connecticut PWSMA encompasses all of the towns that are included within the boundaries of the Capitol Region Council of Governments (CRCOG), South Central Region Council of Governments (SCRCOG), and the Lower Connecticut River Valley Council of Governments (RiverCOG). The boundaries of the PWSMA are generally defined by the Massachusetts state boundary to the north; the boundaries of the Western PWSMA and the Eastern PWSMA to the west and east, respectively; and Long Island Sound to the south. The towns within the Central PWSMA are listed in Table 1-1, with towns along the western and eastern boundaries denoted by an asterisk as these communities may coordinate on water supply issues with towns or utilities in the Western or Eastern PWSMAs. In total, the Central PWSMA comprises 70 towns.

TABLE 1-1
Central PWSMA Towns

Central PWSMA Towns				
Andover	Durham	Haddam	New Britain	Southington*
Avon*	East Granby	Hamden*	New Haven	Stafford^
Berlin	East Haddam^	Hartford	Newington	Suffield
Bethany*	East Hampton^	Hebron^	North Branford	Tolland
Bloomfield	East Hartford	Killingworth	North Haven	Vernon
Bolton	East Haven	Lyme^	Old Lyme^	Wallingford*
Branford	East Windsor	Madison	Old Saybrook	West Hartford
Canton*	Ellington	Manchester	Orange*	West Haven
Chester	Enfield	Mansfield^	Plainville*	Westbrook
Clinton	Essex	Marlborough^	Portland	Wethersfield
Columbia^	Farmington*	Meriden*	Rocky Hill	Willington^
Coventry^	Glastonbury	Middlefield	Simsbury	Windsor
Cromwell	Granby*	Middletown	Somers	Windsor Locks
Deep River	Guilford	Milford*	South Windsor	Woodbridge*

*Denotes municipality that is on the border with the Western PWSMA
^Denotes municipality that is on the border with the Eastern PWSMA

The Central Connecticut PWSMA consists of 951 public water systems as of September 2017. Refer to Appended Figure 1 for a map depicting the general location of these systems. Of these:

- 200 are regulated as community water systems (CWSs).
- 222 are regulated as non-transient non-community (NTNC) water systems.
- 529 are regulated as transient non-community (TNC) water systems.

1.3 Public Comments

A *Preliminary Integrated Report and Preliminary Executive Summary* for the Central PWSMA was issued for public comment as required by statute on March 21, 2018, with comments accepted through April 20, 2018. A public notice was issued in the Hartford Courant and the New Haven Register on March 21, 2018 and La Voz Hispana on March 22, 2018, along with being posted on the DPH website. The documents were made available electronically on the DPH website and a hardcopy was made available for inspection at the DPH Drinking Water Section located at 410 Capitol Avenue in Hartford, Connecticut from 8:30 am to 4:30 pm.

The public comment period was concurrent with those for the *Preliminary Integrated Reports and Preliminary Executive Summaries* for the Western PWSMA and the Eastern PWSMA. The list of comments received during the public comment period are presented in Table 1-2, with written comments presented in Appendix A along with an indication of how and where edits were made to address the comments. Note that comments received by other WUCC regions have been included below when those comments were also applicable to the Central PWSMA.

TABLE 1-2
Summary of Comments Received on the Preliminary Integrated Report and Preliminary Executive Summary during Public Comment Period

Date	Commenter	Main Points
3/14/2018	Southeastern Connecticut Council of Governments[#]	▪ Suggestions for mitigating planning disconnect between utilities and municipalities ▪ Concurrence with several suggested recommendations ▪ Recommend that utilities work with municipalities and not COGs to address best management practices for green infrastructure and stormwater management design
3/26/2018	Mr. Mark Widomski[#]	▪ Concern regarding post-development impacts following sale of water company land ▪ Need to protect more watershed land ▪ Need to encourage water conservation ▪ Suggested pathway forward to improve irrigation flow controls on the utility side
4/18/2018	DEEP	▪ Concurrence with recommendations regarding refinement of projected demands, adjustments to the methodology for calculation of available water, the use of interconnections, meeting with regulatory agencies early in the source development process, and continued coordination and work with state agencies on drought management and water conservation to improve water efficiency ▪ Identified 16 clarifications to improve the quality of the report

TABLE 1-2
Summary of Comments Received on the Preliminary Integrated Report and Preliminary Executive Summary during Public Comment Period

Date	Commenter	Main Points
4/19/2018	Town of Marlborough	▪ Requested that the capacity assessment tool score map be made an exhibit ▪ Requested that Table D-1 be sorted by Town and then system, rather than by system ▪ Recommended interconnection strategy in Marlborough ▪ Encouraged consolidation of NTNC and TNC systems and more oversight by ESA holders ▪ Requested inclusion of Town NTNC system projections
4/20/2018	Ms. Judy Allen	▪ Requested expansion of the climate change discussion to include more discussion of potential impacts of climate change on utilities and the environment ▪ Suggested that the worst drought on record is 2016, and to not rely on the characteristics of previous droughts to predict future droughts ▪ Noted that MDC's Clean Water Project would improve the water quality of the Connecticut River and should be considered when evaluating potential impacts of wellfield development
4/20/2018	DPH	▪ Concurred that water utilities should reevaluate and update future available water and demand projections which may be out of date ▪ Encouraged the WUCCs to foster and support aggressive interagency planning between utilities, COGs, and municipalities regarding future water planning strategies ▪ Encouraged the WUCCs to explore water efficiency and conservation and how they can help develop efficiency projects, initiatives, and conservation ▪ Encouraged the WUCCs to continue to develop strategies to involve and educate small community and NTNC systems ▪ Encouraged utilities to fund resiliency projects and to explore joint development of new sources ▪ Encouraged the Drinking Water Quality Management Planning process to improve source water protection in watersheds ▪ Encouraged the WUCCs to coordinate with the Drinking Water State Revolving Fund to facilitate regional infrastructure and small system projects
4/26/2018*	Pomperaug River Watershed Coalition#	▪ Noted that the recommendations do not address presently stressed basins as identified in the proposed *State Water Plan* ▪ Suggested that the WUCC develop a process on how to address stressed basins when considering future capital projects and development of new public water systems, specifically the use of future sub-regional basin analyses

Notes: # indicates a comment received by the Western or Eastern WUCC deemed applicable to the Central PWSMA
* indicates a comment received outside of the public comment period as authorized at the April 24, 2018 meeting of the Western WUCC.

2.0 CONTEXT AND COORDINATION OF PLANNING

The purpose of the CWSP, and therefore the WUCCs, is codified in CGS Section 25-33c as being "*to maximize efficient and effective development of the state's public water supply systems*," a charge that specifically includes that such development be performed with "*a minimum of loss and waste*." Similarly, the WUCCs are charged with conducting the required planning necessary to meet codified goals, with emphasis on water conservation and avoidance of duplication of service. This section provides a context for regional planning, describes existing and future anticipated planning challenges, evaluates water conservation, and offers recommendations for the region moving forward.

2.1 Coordination of Planning

2.1.1 Disjointed Service Areas

As identified in the Central region WSA, numerous communities are served by multiple public water systems (whether privately owned, municipal, or regional), many of which are widely dispersed throughout each community. This in itself is not necessarily a problem that requires a solution, but it limits the options for assisting certain small, dispersed systems that may have challenges meeting their technical, managerial, and financial capacity needs.

In many cases, public water systems are located proximal to one another but are not interconnected, which can result in higher cost of operation, lack of efficiency, lack of redundancy of supply, and nominal resilience to natural disasters and climate change. The December 2016 Water Supply Assessment identified small public water systems in close proximity to other systems (within 1,000 feet) that had potential for system consolidation (Appended Table 1 of that document). This included large and small CWSs as well as non-community systems (both transient and non-transient).

In some cases, the cost for a customer to purchase water can be significantly more expensive in one system than the other system despite the customers' proximity. This issue was discussed in the *Final Recommended Exclusive Service Area Boundaries* (June 2017), which provided a comparison of potential costs for water service across the region. The issue is largely an artifact of the fragmented nature of water service. Many other types of utilities (e.g., electric, cable, gas) typically serve larger geographic areas such that the disparity in cost is not as apparent due to rate equalization. Regardless of rates, any system must cover its full costs of water service.

For large public water systems (i.e., those serving greater than 1,000 customers or 250 service connections), disjointed service areas are less of an issue. Rather, such a situation is more common in communities that are largely unserved by large systems, where proliferation of small community and non-community systems has occurred. There is no formal mechanism for coordination of planning among these systems beyond the WUCC process, and the majority of small systems have not participated in the WUCC process in any meaningful way. This topic is evaluated further in Section 4.0, including recommendations for future initiatives.

2.1.2 Planning and Coordination among Public Water Systems

Coordination of planning activities has long been a challenge for water utilities, which in part led to Public Act 85-535 establishing the WUCC process. Significant efforts have been made since 1985 to encourage planning by water utilities, including regulatory measures (e.g., Water Supply Planning regulations and WUCC regulations), and assistance from professional organizations (e.g., Connecticut Water Works Association, the Connecticut Section of the American Water Works Association (AWWA), the Atlantic States Rural Water & Wastewater Association (ASRWWA), etc.).

In the years since the Bioterrorism Act of 2002 and throughout the revision and updates to water utility Emergency Contingency Plans, many larger water utilities have made significant advancements in emergency planning in conjunction with other utilities and the communities they serve through memorializing mutual aid agreements and formalizing other forms of cooperation such as the CT WARN program. Additional coordination between community water systems (CWSs) with respect to various aspects of water supply, such as shared use of equipment and technical staff, is also desirable from a financial, operational, and planning perspective. This topic is discussed in more detail in Section 6.0.

It is important to remember that ESA boundaries in the region, while final, are not necessarily permanent. Procedures exist for the modification of such boundaries, and such modification should be encouraged by the WUCC when it is sensible to do so from a water supply planning perspective. See Section 5.2.1 for an example.

Improved coordination has the potential to greatly benefit smaller systems that may not have the financial ability to purchase equipment such as that required for spill response or emergency power. With the assignment of ESAs to the majority of the state, the previous uncertainty regarding the maximum extent of future service areas has been mitigated, and ESA holders are now aware their responsibilities and appropriate procedures when a project is proposed in the region. Finally, a key benefit of improved coordination among water utilities is the potential to establish a more organized and holistic approach to the exploration of future water supplies and interconnections. For example, creation of small consecutive water systems may be able to be avoided through modification of ESA boundaries. Regular WUCC meetings will continue to provide an opportunity for such regional discussions to occur.

2.1.3 Planning Between Local Governments and Public Water Systems

Water systems typically approach planning in a nuanced way. When it comes to sources of supply, many utilities have historically been very proactive in securing supply sources or potential supply locations that they may not need for many decades in the future. This stance has carried over into water supply planning, where projections performed by water utilities may be conservatively high in relation to the development potential in a community. This is done in order to ensure that proper planning is being conducted to secure additional supply in advance of potential demand occurring.

However, when it comes to providing service to new customers, water utilities are generally reactive despite the planning that was devoted to the water supply planning process. This is due in large part to the cost-intensive nature of new utility plant additions and regulatory concerns over speculative investments. As a consequence, ESA holders generally rely on local planners and regulators to determine when a development may be built and typically rely on developers or other agencies to fund the design, permitting, and construction of water main extensions or new satellite systems. However,

utilities also occasionally fund their own projects to consolidate satellite systems, eliminate dead-end pipes that reduce water quality, and interconnect with other systems to increase system redundancy. Such projects may be coordinated with local planning agencies.

The disjointed planning processes between water supply planning and local and regional land use planning efforts has long been recognized. Utilities review local plans of conservation and development (POCDs), and historically, WSPs were available for review at each water utility office and at the offices of the DPH. However, the Bioterrorism Act of 2002 resulted in access to such plans being greatly limited for security purposes. While regional planners largely continued to have access to WSPs, and some utilities continue to make plans available to municipal planners and local health directors upon request, the practice is not universal and some local planners have not typically had access to such plans over the last 15 years. In addition, accessing any information from such plans from DPH required a request under the Freedom of Information Act (FOIA), and much of the information eventually provided was heavily redacted out of an abundance of caution.

Public Act 17-211 became effective on July 1, 2017 and encourages public access to water supply planning information. To accomplish this goal, any WSP submitted after July 1, 2017 is required to be accompanied by a redacted version of such plan that omits any information related to the following topics that are considered confidential and not subject to disclosure under the FOIA. Such confidential information includes the following:

- Security-related documentation and training procedures;
- Emergency contingency plans and preparedness plans; incident management, mitigation, and recovery plans, and the like, except for drought management and response plans which must be disclosed;
- Design drawings and maps showing the specific location of infrastructure, provided the general location of water mains, wells, and interconnections is disclosed;
- Dam specifications, construction details, and emergency action plans related to dam failure response;
- Building floor or structural plans;
- Network topology maps;
- Specific locations of or specifications regarding electrical power, standby generators, and fuel systems, except that general information regarding such may be disclosed;
- Operational specifications, schematics and procedures related to water and sewage treatment plant processes and the use of chemicals, except that a general description of such treatment plant may be disclosed;
- Logs detailing movement or assignment of personnel;
- Distribution system hydraulic models; and
- Any other record if there are reasonable grounds to believe that the disclosure of such record may result in a safety risk, as determined by the Connecticut Department of Administrative Services.

An additional issue identified by DPH concerns small water systems. While large water systems and utilities typically communicate and coordinate with local emergency personnel on a routine basis (particularly fire departments in regard to hydrant use), small privately owned systems typically do not have that same level of communication. As a result, while the large system may be identified as critical infrastructure for local emergency response planning and prioritized for power restoration during outages, the smaller isolated systems are not typically prioritized for such response. This is of particular

significance as many small public water systems do not have backup power. Small public water systems are encouraged to reach out to municipal staff and electrical providers to ensure that their systems are prioritized for power restoration. This topic is revisited in Section 4.4.

It is the intent of the WUCC that this CWSP will help to assist and inform local planners as to the status of water supply planning in their communities, the parties responsible for conducting such planning at the WUCC level, the responsible public water systems and local governments assigned to provide new public water supply to residents where needed, and the regional goals for public water systems moving forward. As WSPs are updated and submitted over the next decade, water planning information related to water use and movement for each large public water system will become more accessible. This will help local and regional planners to understand current system extents, enhance the ability of local planners to work with public water systems to ensure that water service is provided to areas of need, including areas where fire protection is desired or needs improvement, and foster appropriate economic development. Increasing the data available to local and regional planners is expected, in turn, to improve working relationships between utility and municipal staff and help to increase utility knowledge of potential future projects being considered by developers.

2.1.4 Source Water Protection

The WUCC promotes the adoption of best management practices for the use of green infrastructure in stormwater management design by local communities, particularly when stormwater could affect a source of supply. Utilities should continue outreach to local officials, staff, and commissions regarding this topic.

Many environmental groups have urged the WUCC to protect Connecticut's environment and maintain pure drinking water supplies. Protection of the environment and protection of water supply sources in many ways are mutually beneficial. Source protection and environmental conservation, for instance, are harmonious throughout many drinking water supply watersheds and aquifers used for water supply. Wellhead and watershed protection for both existing and future supply sources has made significant progress in the past 15 to 20 years with completion of the Source Water Assessment Program (SWAP), completion of the majority of the Level A mapping, and full implementation of the Aquifer Protection Area (APA) regulations.

Nevertheless, continued land development and the need to address issues that cross jurisdictional boundaries are of particular interest regarding watershed lands, especially for systems with contributing watershed areas that span more than one community. In particular, the WUCC is concerned with the potential impact of development on stormwater quality in reservoir watersheds. While DPH has promoted a program to assess systems that cross municipal divides (known as the Drinking Water Quality Management Planning [DWQMP] process) and address protection of drinking water supplies on a regional scale, there has been little traction for using this unique collaborative approach in the state with only one such plan completed to date.

The protection of watersheds is critical for source protection but is challenging when land is not owned by the utility or held by others for conservation purposes. Encouraging low amounts of development and conservation of existing large protected watersheds is a regional goal, with the DWQMP process as a potential solution.

In some areas, it is recognized that source water protection goals may be counter to a community's economic goals, particularly when development is desired within a reservoir watershed. Moving forward, the WUCC should encourage use of the DWQMP process

for those systems with reservoir watersheds spanning multiple communities with limited utility ownership relative to the sizes of the watershed. In the Central Region, this includes the Connecticut Water Company (CWC), Metropolitan District Commission (MDC), South Central Connecticut Regional Water Authority (SCCRWA), Windham Water Works (WWW), and others. The DWQMP developed for Groton Utilities resulted in proposed zoning changes in Groton and Ledyard in order to provide land use controls that were protective of the reservoir watersheds. The DWQMP process would further help achieve recommendations contained in the *State Water Plan* (January 2018) relative to land protection for preserving water quality.

Better collaboration between utilities and local plowing contractors, public works staff, and state Department of Transportation staff is necessary to minimize chloride impacts on public water supply sources.

In addition to local land use controls, WUCC members are concerned with the impacts of plowing and application of road salt and sand. The use of road salt has become more prevalent in recent winters for pretreatment and in-storm treatment of roadways, raising the concentration of chlorides running off into streams tributary to reservoirs and within recharge areas for public water supply aquifers. States such as New Hampshire have developed programs to certify plowing staff as using environmentally friendly winter maintenance practices in return for limited liability protection, and a similar program may be of interest in Connecticut.

A specific issue related to watershed development identified by WUCC members includes the State's Affordable Housing Appeals Procedure (CGS 8-30g). The concern is that the law as written does not give consideration to source water protection, as it allows for higher density development to occur in watershed areas that may be zoned for lower density uses.

There are also concerns regarding the limited ability of public water systems to prevent activities on private property that could lead to reservoir or aquifer contamination. While utilities are authorized to enter and inspect premises within public water supply source areas per CGS 25-51, they have no enforcement power and must appeal to DPH to investigate and issue a state order, to the superior court to request a court order, or to the local director of health in order to eliminate any nuisance likely to pollute such water. Each method is potentially lengthy and potentially costly to the utility. It is noted, for example, that local land use commissions are heavily involved in enforcing groundwater APA regulations but do little in the way of enforcing watershed protection or source water areas for public wells not mapped under the APA program. The WUCC will continue to be a forum where potential regulatory changes to alleviate these issues may be discussed.

2.1.5 Drought Planning and Response

As noted above, Public Act 17-211 requires that drought planning and response procedures developed by public water systems be available to the public. Large public water systems that are required to undertake water supply planning have developed drought planning and response plans as part of their emergency contingency plans, which will need to be decoupled from those plans moving forward. Currently, the drought planning and response plans developed by public water systems are either based on the WSP regulations (RCSA Section 25-32d-3) or the parameters identified in the 2003 *Connecticut Drought Preparedness and Response Plan* prepared by the Interagency Drought Work Group, although some drought response plans appear to rely on parameters and the five-stage response protocols that predate the 2003 document and the current edition of the WSP regulations.

For public water systems primarily reliant on reservoir sources, the volume of storage in the reservoir is typically utilized to define the criteria for each drought stage. Public water systems primarily reliant on groundwater sources typically use the amount of storage in a primary storage tank over a period of days, or a combination of precipitation and groundwater levels, to define the criteria for each drought stage.

The four drought stages in the water supply planning regulations with water demand reduction goals from the 2003 *Connecticut Drought Preparedness and Response Plan* include the following:

- "Advisory" with a voluntary 10% reduction goal for residents and organizations;
- "Watch" with a voluntary 15% reduction goal for residents and organizations;
- "Warning" with a voluntary 20% reduction goal for residents, organizations, and state agencies; and
- "Emergency" with a Governor-mandated 25% reduction in water use by residents, businesses, and state agencies.

Utilities have strengthened these goals where appropriate. For example, many utilities identify the 20% reduction goal under Drought Warning to be mandatory as utilities have found that a better reduction in demand is realized when mandatory water use restrictions are enacted. In addition, some utilities also define and utilize an "Alert" cautionary stage to prepare internally for implementation of voluntary and mandatory water use restrictions. The Interagency Drought Work Group has been working on an update to the 2003 plan. The current draft of the update is dated June 29, 2016, and includes the following drought stages (in increasing severity): "Heightened Awareness"; "Below Normal Conditions"; "Moderate Drought"; "Severe Drought"; and "Extreme Drought". These proposed classifications are intended to align more closely with United States Drought Monitor terminology and limit confusion with any individual utility drought statuses.

As noted above, many water utilities utilize the older five-stage method with the following water conservation criteria:

- "Alert," which does not include a reduction goal;
- "Advisory" with a voluntary 10% reduction goal;
- "Emergency Phase I" with a voluntary 15% reduction goal;
- "Emergency Phase II" with a voluntary 20% reduction goal; and
- "Emergency Phase III" with water rationing.

In the Central PWSMA, there are 11 large utilities that currently utilize the older five-stage drought method (Connecticut Correctional Institute, Cromwell Fire District, Manchester Water Department, Meriden Water Division, Middletown Water Department, New Britain Water Department, Salmon Brook District Water Department, Southington Water Department, Tariffville Fire District, University of Connecticut, and WWW).

The drought of 2015-2016 raised public awareness of voluntary and mandatory water use restriction measures, which are enacted by many utilities to reduce demands during a drought. Typically, such reductions are requested on a percentage basis for each customer. One issue raised by the public as part of the recent widely reported and protested commercial bottling plant in Bloomfield was whether commercial/industrial users should be completely shut off prior to limiting water for residential customers. Utilities typically request reductions from all users concurrently. Many utilities have

Emergency Contingency Plans which focus water restriction enforcement on high-volume users by recommending more frequent (weekly) meter readings of high-volume customers when water use restrictions are requested or mandated, and requiring large customers to file a water conservation "plan of action" with the utility to demonstrate how that customer will reduce its water usage to the requested percentage.

It has long been recognized that water utilities, particularly non-municipal (regional and investor-owned) utilities, have limited methods to enforce voluntary and mandatory water use restrictions. Several utilities have noted that high volume accounts sometimes have no interest in conserving water; some residential accounts are simply willing to pay for irrigation water regardless of water conservation surcharges and voluntary or mandatory conservation requests. In some cases, residential developments have requirements to maintain green lawns as part of the ownership contract, and homeowners feel that compliance with the local requirement is more important than the restrictions put in place by a utility.

As noted in the 2003 *Connecticut Drought Preparedness and Response Plan*, municipal authority may be necessary to locally enforce any measures, but many municipalities do not have local ordinances in place to ensure proper implementation of water use restrictions during droughts and other emergencies. To that end, a model ordinance was developed to encourage adoption of these policies at the local level, but few municipalities have adopted the model ordinance. The model ordinance includes examples of banned uses, the procedures for announcing the need for conservation measures, and procedures for issuing fines or even curtailment of service. In the central PWSMA, the Town of Simsbury has been considering adoption of such an ordinance. Because of concerns over the administrative procedures needed to enact such ordinances and potential inconsistency between local ordinances when served by a single utility, legislative authority for water utilities to enforce restrictions may be warranted. In addition, specific language prohibiting enforcement of "green lawn" requirements during declared droughts may be necessary. Finally, local zoning could be used to require that any new construction connected to a public water system with significant outdoor water use needs development file a drought management plan with the local utility.

For reservoir systems, the number of days of supply remaining has been suggested by some water utilities as a method that could potentially be used for determining drought stage criteria in conjunction with the percentage of storage remaining. For the purposes of an Emergency Contingency Plan, the number of days of supply remaining to be utilized should be tied to a relatively predictable withdrawal number for a reservoir system, such as maximum month average day demand (MMADD) or MMADD from a year with a similar drought (although it is recommended that a utility consider different scenarios of water usage during an actual event). There are several reasons for this suggestion:

- For some storage-rich systems, a Drought Emergency could be issued under the current plans despite the system having more than 300 days of supply remaining, and there is concern that this could result in increased political pressure to not request or mandate "emergency" water conservation measures given the amount of supply available.

- The use of MMADD (a relatively high sustained withdrawal figure) for calculating the number of days of supply remaining would provide a baseline against which users in a system could be encouraged for their conservation efforts. Projecting that a system has 90 days of supply remaining, but then still having 80 days of supply remaining a month later despite minimal rainfall, can provide quantitative reinforcement to a community of the positive effects being developed.

- Furthermore, such a procedure could standardize the drought triggers between utilities utilizing reservoirs. The volume of reservoir storage between utilities vastly differs, but a method based on the days of supply remaining would provide consistency for state agencies attempting to understand the status of multiple public water systems across the state. For example, DPH would immediately understand that a utility entering a Drought Warning was projecting a certain amount of days of supply remaining regardless of the size of the system or storage available. One challenge to overcome for some systems would be developing appropriate triggers in light of potential reductions in streamflow releases required under the Streamflow Standards and Regulations (see Section 2.3). Mass-balance or other predictive modeling may be required to set triggers under this method.

While there are some benefits to this suggestion, it may not be applicable or appropriate for the majority of water systems across the state that rely upon groundwater supplies. Furthermore, given the unpredictable nature of drought (in terms of timing, duration, and severity), use of a risk-based approach may be appropriate based on historical drought data inputs and the projected frequency of hitting drought triggers. A variety of mass balance modeling approaches along this vein are presently under consideration by utilities.

At this time, the WUCC defers to the agencies and organizations working on drought response planning, such as the Connecticut Section of the American Water Works Association, the Connecticut Water Works Association, the Interagency Drought Workgroup, the Water Planning Council, and others for further consideration of this issue. A delicate balance must be achieved where activating drought triggers can ensure that water is properly conserved but where activation does not result in trigger "fatigue" among end users who become immune to constant announcements of rapidly changing levels of requested and mandatory water use restrictions. The WUCC meetings will continue to be an excellent place for utilities, planners, and others to come together to discuss and debate this topic. Ideally, DPH will provide guidance to water utilities regarding *how* to set triggers rather than specifying what the triggers should be.

2.2 Water Conservation

Connecticut's water utilities have been planning for and successfully accomplishing water conservation[1] since the 1980s. Large water utilities have now prepared at least three or four editions of water conservation plans in their individual WSPs, focusing on supply management and demand management as stipulated in the regulations. Likewise, the previous CWSPs completed by the four previous WUCCs (Upper Connecticut, South Central, Housatonic, and Southeast) focused on supply side management and demand side management, citing many of the same conservation tools as the individual WSPs.

In the last 15 years, water utilities have made great strides in supply conservation, with advances in source metering, filter backwash recycling, leak detection, and water main replacement. Unaccounted-for water figures have decreased in many public water systems as noted in Table 2-5 of the WSA report.

[1] Per RCSA Section 25-32d-1a(8), water conservation means measures designed to promote efficient use of water and to eliminate waste of water. Thus, it includes policies, strategies, and activities designed to promote reduced water usage on a temporary or permanent basis, which could include such things such as rain water harvesting, public outreach campaigns, tiered water rates, use of xeriscaping, low flow plumbing technology, water reuse, reduction of waste, etc.

Many utilities have reduced unaccounted-for water to less than 15%, and some have reached levels below 10%.

Significant gains have been made in demand management as well. Residential retrofit programs were helpful in the 1980s and 1990s, with new plumbing fixtures and appliances being much more water-efficient than the older equivalents, leading to some remarkably low per-capita figures as presented in Table 2-5 of the WSA report. Many water systems are experiencing demands in the range of 40 to 60 gallons per capita per day (gpcd). Customer meters have been replaced in many systems, and utilities such as MDC are moving to monthly billing to better demonstrate use trends and patterns to their customers.

Some large systems with low per-capita demands have relatively high nonrevenue water figures while some systems with high per-capita demands have relatively low nonrevenue water figures. This presents a challenge for those systems, as they must strive to correctly account for consumed and lost water while reducing both.

Despite these successes, further improvements to the methods and practices for promoting and achieving the conservation of water are believed necessary. The WSA report identified three pressing issues related to water conservation in the Central PWSMA and statewide:

- Significant conservation measures have been enacted over the years, such that additional top-down water conservation efforts by a utility may have a minimal return. While all of the larger utilities practice water conservation, many smaller systems limit conservation to end-user controls such as low-flow toilets, faucets, and showers. Continuing education is necessary to inform users of conservation methods, and additional education is needed for the general public regarding the amount of water being saved today that may have been wasted in the past.

- Additionally, many smaller systems have minimal metering capabilities, and the amount of lost or wasted water is often unknown. Continuing education is necessary to instruct small system owners in proper water auditing to determine loss and waste and to develop a conservation and efficiency program tailored for their small system. Furthermore, continued diligence is necessary for all systems currently tracking water usage to ensure that accounted-for nonrevenue water (such as main flushing and fire-fighting usage) is appropriately tracked.

- Some water systems are experiencing a trend of decreasing average day demand (ADD) along with an increase in peak-day demands (PDD). This negatively impacts the ability to manage sources and treatment facilities in some systems and points to a need for conservation during peak-day conditions. This is often the case during the summer months coincident with irrigation and water-intensive recreational activities, and the overuse of water for such activities needs to be addressed to preserve water supply. Although reservoir systems are typically better able to handle increased peak-day demands as compared to groundwater systems from a supply perspective (provided adequate treatment capacity exists), increased peak-day usage by reservoir systems is of concern to DPH as overuse of surface water sources can result in taste and odor complaints, elevated levels of cyanotoxins, and other water quality concerns.

Water conservation is one of the central themes of the *State Water Plan* (January 2018). Section 5.2.3.3 of the *State Water Plan* includes a set of *policy recommendations* for water conservation while Section 5.3.2.1 includes a *pathway forward* for additional water conservation consensus-building:

- The *policy recommendations* address education, review of existing water conservation plans and metrics, adoption of conservation incentives, tracking of water savings, support of water management through training and technical support, incentives for reducing outdoor water use, enacting local water conservation ordinances, evaluation of barriers to green building, advancing water-efficient landscapes, and strengthening partnerships with entities such as homebuilders and nongovernmental organizations.

- The *pathway forward* recommends gathering information about successful incentives and case studies, studying new actions and ongoing trends such as increased billing frequency and decreasing per-capita water demands, and forging partnerships with the Alliance for Water Efficiency[2] (A4WE) and the newly launched (in late 2017) Sustainable CT initiative.

The *State Water Plan* lists water conservation as one of its "five most important messages." Accordingly, water conservation is embedded in three of the "top ten consensus-based policy priorities" (innovation in agricultural practices, consideration of Class B waters for non-potable uses, and developing an education strategy about water conservation).

The WUCCs are an ideal platform for helping to implement the water conservation recommendations of the *State Water Plan* while determining what the next generation of water conservation practices in the state should be focused on given the implementation of the standard supply and demand management tools articulated in individual WSPs. Ideally, the WUCCs could develop specific tools for public water systems to utilize, including the following:

- More effective methods of addressing systems that still exceed 15% unaccounted-for nonrevenue water;
- Discussion of alternative methods for tracking water usage, loss, and waste;
- Outdoor water use restrictions (through town ordinances and state regulations) modeled after the restrictions applied in Greenwich, Stamford, Darien, and New Canaan in 2016, which included restrictions on both time of day and the number of days each week (e.g., two) that irrigation was allowed;
- Innovative billing structures such as the structure used by the Town of East Hampton, which covers the full cost of providing water by the utility through the basic rate before billing usage and will encourage water conservation (similar to water budget-based rates per household typical in the western United States);
- Seasonal or other water conservation surcharges such as the one used by the Southeastern Connecticut Water Authority, which significantly increases water rates for usage above a certain threshold; and
- Encouraging joint use of certain water saving equipment, such as truck-mounted flushing systems that flush sections of pipe between hydrants and filter dislodged debris, allowing for flushing to occur without blowing off water to waste.

The implementation of water conservation and water efficiency[3] projects may help to mitigate presently stressed basins as identified in the *State Water Plan* by reducing demands in those basins. As

[2] www.a4we.org

[3] "Water efficiency" is defined by Amy Vickers in Water Use and Conservation as reducing water wastage by measuring the amount of water required for a particular purpose and the amount of water used or delivered. It is an important subset of water conservation which considers such actions as water-budget billing, installation of

discussed in Section 3.5, implementation of passive water conservation measures is expected provide tangible reductions in water demand, so the implementation of more active conservation programs by utilities (see recommendations in Section 12.1) could potentially benefit stressed water basins.

The A4WE is a national nonprofit organization that advocates for a variety of water efficiency strategies that can reduce water demand. Its goal is to educate utilities and consumers in the areas of policy advocacy, technical tools, research, and education. In a presentation to the Water Planning Council on May 26, 2017, the A4WE noted the myriad benefits of water conservation and water efficiency, including the following:

- Creation of supply solutions are costly and slow to develop and have more environmental impacts;
- Conserving water allows more customers to be served without increasing production;
- Conservation can help flatten peaks that drive need for additional supply;
- Helps to leave more water in reservoirs (more frequent spillage) and streams;
- Reduces discharge volume of wastewater; and
- Helps to delay or avoid infrastructure improvements.

For some systems, targeted water conservation and water efficiency efforts may be required in order to reduce overall water use. Such efforts would only be applicable in systems where demand hardening has not already occurred (i.e., where customers are not already practicing sound water conservation practices). The A4WE notes that such programs must be system specific and focused on cost-effective and attainable goals, and such programs should demonstrate that the utility is also holding itself to the standards expected of customers (such as through a targeted capital improvement program to reduce leakage). The Handbook for Water Use & Conservation by Amy Vickers was suggested by A4WE as a resource for developing a water conservation and water efficiency program. Such a targeted water conservation and water efficiency program may include elements such as the following:

- Use of water conservation tracking tools by both customers and the utility to evaluate benefits;
- Adoption of local efficiency standards, codes, and ordinances;
- Audits of major users and commercial kitchens with an educational component for developers and engineers on reducing water usage at new facilities (such as by reducing the maximum flow rate through private water piping);
- An active meter replacement and water usage tracking program;
- Installation of automatic meter reading (AMR) and advanced metering infrastructure (AMI) devices to continually track system usage and detect leaks; and
- Participation in the EPA's WaterSense Program and encouraging customers to participate through a strong public outreach effort.

As an alternative to developing new water supply sources (or at least to prolong the ability of existing supplies to meet demands), various long-term planning objectives have been identified, including the use of non-potable supply sources for non-potable uses and water reuse described below.

Certain types of industrial, commercial, and agricultural users consume potable water in processes that do not require potable water. It may be possible to convert some of these users (e.g., golf course

low-flow technologies such as dual flush toilets and gray water systems, smart nozzles for garden hoses, use of drip irrigation, and other household, commercial, industrial, agricultural, techniques to limit unnecessary usage.

irrigation) to partially or fully rely on non-potable supply sources through the use of techniques such as rain harvesting. Other high volume users should also be evaluated for their potential to use non-potable water. For example, East Lyme Water & Sewer Commission requires new cluster-style subdivisions and new commercial customers to install private irrigation wells under the building permit approval process to reduce outdoor non-potable demands.

There are many Class B water users who have developed private sources and transmission systems. Examples of Class B users include farms, industrial cooling and wash water, nurseries, golf courses, quarries, and power plants. Public water companies may be able to either directly provide Class B water or help major water users to develop Class B sources as an alternative to potable water.

In order for a public water company to develop and provide Class B water, there would need to be sufficient demand from one or more customers. Ideally, local land use controls could be used to consolidate such users spatially and make development of non-potable water systems more cost-effective. Coordination with DPH with regard to regulatory issues would be necessary as would multiple controls to avoid cross connections with potable public water systems. Some industries will have limitations on the quality of non-potable water that they can accept (e.g. food processing or pharmaceutical manufacturers). Specific concerns could include pH, dissolved or suspended solids, trace metals, salinity, and algae-causing nutrients.

If non-potable waters are returned to the source stream near the withdrawal point, there may be minimal aquatic impact. However, if the water is consumed (e.g., irrigation, evaporative cooling) or returned elsewhere, then there will be concern about the diversion. In such a case, it would be preferable to obtain the water from one of the larger rivers to minimize flow diminution.

Finally, water reuse is a viable alternative to development of new water supplies. As an example of this, the shopping outlets at Clinton Crossing are equipped with a gray water reuse system. This type of technology reduces potable water demands and lessens the burden on subsurface disposal systems. Consideration of similar systems on future developments should be given.

As a follow-up to the discussion in Section 2.1.5, many utilities believe that certain demand-side elements of water conservation should be legislated by the state and local entities, but with drought restrictions able to be enforced in some manner by water utilities. The exact nature of this legislation and potential enforcement is still in debate and will need further consideration in the coming years. The WUCC will be one forum in which these ideas may be discussed.

2.3 Impacts of Existing and Future Policies and Regulations

Regulations that affect public water systems will remain an issue for this region as well as for water systems statewide. Current and other as-of-yet unknown future regulations can be costly to implement and adhere to and can significantly affect the logistics of operating a public water system. This was noted as an issue of concern in the WSA report.

Available Water Calculations

In 2016, DPH issued forms for calculation of available water[4] and recommended utilities use them when preparing WSPs. Previously, informal guidance was utilized by public water systems regarding available water to meet MMADD and PDD. The current DPH forms to be utilized for available water calculation follow a strict interpretation of the regulations and do not allow available water to meet MMADD or PDD to exceed the available water to meet ADD as the calculation is based on safe yield or some more limiting factor. This has resulted in the computed available water for surface water sources in some systems as well as some groundwater sources and interconnections being greatly reduced from earlier versions of written planning documentation such as WSPs. Further explanation is provided below:

- For those systems with groundwater sources, the available water for MMADD was the same as the available water to meet ADD, and for most systems this continues to be the case. For systems with sources used for (and specifically permitted for) peaking, the required use of an annual average withdrawal rate based on the peaking rate (instead of the peaking withdrawal rate) for the calculation of available water prevents the effective use of such sources for planning purposes despite their actual use in such a manner.

- For those systems with surface water sources, the treatment capacity of the water treatment plant was previously allowed to be used in calculation of available water with one filter (or other redundant primary treatment component) offline. Alternatively, the available water for MMADD was calculated based on the peak monthly demand ratio used in the safe yield calculation. As water treatment plant capacities typically exceed safe yield (e.g., in order to meet PDD), the available water figures to meet MMADD and PDD were often greater than available water to meet ADD.

- For those systems reliant upon interconnections, many have contracts stipulating an annual average flow limitation while including a higher maximum transfer to meet MMADD or seasonal summertime demands. The available water calculation based solely on annual average supply availability generates an available water deficit under MMADD conditions for several systems despite the water being contractually available.

Although many WSPs written prior to the new forms being issued do not demonstrate margin of safety (MOS)[5] deficits, this *Integrated Report* incorporates the methodology standardized on the DPH forms for calculation of available water and MOS in order to best demonstrate where new sources of supply may be necessary, and includes an analysis of a potential pathway forward to demonstrate how alternative guidance could lower the potential volume of water needed from new sources of supply. Refer to Section 3.5.4 for a description of available water in the region compared to MMADD and Section 3.7 for the potential resolution. Note that though some systems may project a deficit to meet MMADD, this

[4] "Available water" is defined in RCSA 25-32d-1a(a)(4) to mean "the maximum amount of water a company can dependably supply, taking into account the following reductions to safe yield: any limitations imposed by hydraulics, treatment, well pump capabilities, reductions of well yield due to clogging that can be corrected with redevelopment, transmission mains, permit conditions, source construction limitations, approval limitations, or operational considerations; and the safe yield of active sources and water supplied according to contract, provided that the contract is not subject to cancellation or suspension and assures the availability of water throughout a period of drought and that the supply is reliable."

[5] Defined as the ratio of supply over demand. A MOS of 1.15, or having 15% more available water than demand, is recommended by DPH for most systems and demand scenarios.

does not mean that new sources will truly be needed in all instances as evaluated in Sections 5.0 and 7.0.

Safe Yield

Analysis of system safe yield[6] is critical to determining the amount of available water supply. The calculation methodology for safe yield differs between reservoir sources and groundwater sources. As discussed in Section 2.4.1, climate change could affect the underlying climatic assumptions used in the safe yield methodology.

Ultimately, safe yield is not always the limiting factor in determining available water. However, it is an important and required component of the available water calculation. As available water is typically more limiting for a public water supply system, available water is utilized in Section 3.0 to determine future water needs in the region.

Streamflow Regulations

Several of the CWSs in the region may experience impactful reductions in reservoir safe yields upon full implementation of the Streamflow Standards and Regulations (RCSA Section 26-141b) by 2027 or 2028. Numerous systems in the region, such as the Wallingford Water Division and Manchester Water Department, rely on surface water supplies that are not exempt from the Streamflow Regulations. Future water supply sources may be needed to offset reductions in safe yield. Therefore, implementation of the Streamflow Regulations is believed to be a primary driver for determining the need for future interconnections and new source development across the state. One goal of this report is to evaluate, to the extent possible given presently available data, current and projected water supply need.

Utilities may also choose to develop and enter into flow management plans with multiple parties as a method to comply with the Streamflow Regulations, although some release of water would still be likely under such a management plan. The effect of the Streamflow Standards and Regulations on safe yield and available water, to the extent known or estimated, is discussed in Section 3.6.

Well Water Quality

Raw well water utilized for public drinking water in the region tends to be variable with respect to quality and quantity. Elevated concentrations of arsenic, radioactive elements, and/or iron and manganese are prevalent in public water system well supplies, and treatment can be costly. This may present a disproportionate burden on small CWSs and non-community water systems, and it may necessitate extending public water systems into areas presently served by private wells or creation of new public water systems as noted below. If permissible levels of these naturally-occurring contaminants are lowered, the effect could be increased cost of compliance and solutions such as interconnections to share water of a higher quality.

The United States Geological Survey (USGS) published Open File Report 2017-1046 in May 2017 entitled "Arsenic and Uranium in Private Wells in Connecticut, 2013-15". Nearly 7% of water samples from 674 private wells tested across Connecticut contained either arsenic or uranium at concentrations that

[6] "Safe yield" is defined in RCSA 25-32d-1a(a)(33) as "the maximum dependable quantity of water per unit of time which may flow or be pumped continuously from a source of supply during a critical dry period."

exceed the United States Environmental Protection Agency (EPA) maximum contaminant level (MCL) enforceable for drinking water supplies. Private wells containing levels of arsenic above the MCL were identified in northern Durham, southwestern East Haddam, northern Glastonbury, southeastern Haddam, northern Milford, eastern Portland, and northwestern Somers.

In addition, private wells containing levels of uranium above the MCL were identified in western Clinton, northern East Hampton, eastern Essex, throughout Glastonbury, southwestern Killingworth, and in eastern Portland; and clusters of private wells with elevated levels of uranium below the MCL were identified in Bethany, Chester, Clinton, Deep River, Durham, East Haddam, East Hampton, Glastonbury, Hamden, Killingworth, Lyme, Portland, Somers, South Windsor, and Woodbridge. According to the USGS, high concentrations of arsenic in drinking water have been linked to increased risk of certain types of cancer, and high concentrations of uranium have been linked to adverse effects on kidney function.

The effects of groundwater contamination by industrial pollutants is also a concern in several areas of the Central PWSMA. Two examples are provided below, but concerns are not necessarily limited to these areas:

- Persistent contamination of groundwater associated with the Durham Meadows Superfund site resulted in a plan to expand the Durham Center water system owned by the Town of Durham and eliminate private well usage. The expanded system would be served as a consecutive system from an interconnection with Middletown Water Department. Permitting is currently in place to support the interconnection, which is anticipated to be constructed in the next few years.

- The Tylerville section of Haddam has long been identified as an area where groundwater contamination has occurred in private wells, with additional private wells being considered at risk. The Town of Haddam entered into a Consent Order with the Connecticut Department of Energy and Environmental Protection (DEEP) and DPH in December 2017 to address the contamination. The proposed solution is to apply for grants to extend a water main from the CWC – Chester system to service properties in the area.

Similar to public wells, changes in the permissible levels of naturally-occurring contaminants in private well water supplies could render some private well water undrinkable without treatment. This could lead to the extension of water mains and proliferation of new small water systems to replace lost private water supplies. The designation of ESAs will help address this challenge since specific water utilities have been identified that may be able to help solve groundwater quality problems.

Emerging Contaminants

Emerging contaminants are a concern for EPA as well as DPH. While many emerging contaminants have been in the news over the last 15 years, contaminants such as salt from winter deicing have the potential to increase significantly in the next decade as road sanding during winter storms is phased out. Emerging contaminants can affect public water supply sources and private wells, leading to increased cost of compliance, solutions such as interconnections to share water of a higher quality, extension of water mains, and proliferation of new small water systems to replace lost private well water supplies. As noted above, the designation of ESAs will help address this challenge relative to private well impacts since specific water utilities and other ESA holders have been identified that may be able to help address groundwater quality problems.

2.4 Climate Change and Resiliency

2.4.1 Climate Change and Effect on Safe Yield

According to the *Connecticut Natural Hazards Mitigation Plan Update* (2014)[7], climate change is both a present threat and a slow-onset disaster. Extreme weather events have become more frequent in Connecticut over the past four to five decades and this trend is expected to continue. The rate of sea level rise is accelerating, and changes in precipitation distribution (spatially and temporally) have been occurring. More intensive heat waves may result, increasing the incidence and severity of drought.

As the full long-term effect of climate change cannot be fully predetermined, public water systems can only prepare to address the effects of climate change based on current prediction models. As noted in the *State Water Plan* (January 2018), "runoff is likely to be significantly higher in the future in winter months" and may be "modestly lower in summer months". These models generally suggest that Connecticut will experience more total rainfall than before but that the rainfall will occur more frequently in high volume, temporally-limited events rather than moderate-volume events occurring over a longer storm period. The *State Water Plan* further cautions that future flood risks could increase, and potentially warmer and drier summer conditions could occur with longer gaps between summer rain events (potentially resulting in increased fluctuations in reservoir water levels).

In addition to the *State Water* Plan, the Land Trust Alliance "Conservation in a Changing Climate"[8] and the United States Department of Agriculture (USDA) United States Forest Service "Climate Change Resource Center"[9] present a variety of potential impacts on public water supply from the effects from climate change. These include the following:

- Warmer temperatures could result in more difficulty in treating raw water withdrawn from surface water supplies as temperature affects the dissolved oxygen level in the water as well as reducing the effectiveness of several treatment processes (for example, WWW's treatment efforts are already more intensive and costly every summer due to higher temperatures in the Willimantic Reservoir);
- Surface water supply will be increasingly threatened by invasive species migration as temperatures rise;
- Algal blooms may begin earlier in the season and last longer into the fall;
- More intense precipitation and runoff may increase sediment, nitrogen, and other pollutant loads
- Intensified droughts may further reduce the water quality in feeder lakes and streams by allowing for easier erosion and transport of pollutants when rainfall does finally occur;
- The timing and quantity of instream flow is expected to change, which may require revising release requirements under the Streamflow Standards and Regulations;
- The amount of groundwater recharge is expected to decline during the summer;
- Sea level rise may increase the salinity in groundwater feeding private well and public water supplies, and is likely to increase the incidence of flooding at supply wells;

The WUCC defers to other reports regarding specific data-driven impacts of climate change. In general, water utilities are still in the early stages of identify vulnerabilities and pathways forward to mitigate the

[7] http://www.ct.gov/deep/lib/deep/water_inland/hazard_mitigation/ct_nhmp_adopted_final.pdf
[8] http://climatechange.lta.org/
[9] https://www.fs.usda.gov/ccrc/

effects of climate change. For the purpose of fostering regional planning in this CWSP, the discussion herein focuses on potential general impacts of climate change to public water supplies with the expectation that systems will begin to focus on resiliency initiatives in the near future based on the discussion in Section 2.4.2.

As introduced in Section 2.3, the methodology for determining the safe yield of a water source may be affected by climate change as follows:

- The calculation of safe yield for a reservoir or reservoir system is based on a mathematical mass-balance methodology using a 99% dry year or a critical dry period with a 1 in 100 occurrence frequency. The majority of reservoir safe yield studies were conducted using the multi-year 1960's drought period, a critical dry period considered drier than the 1 in 100 occurrence frequency. Other studies have utilized the multiyear late 1950s drought period. One of the inputs to the safe yield model is evaporation rates, which are specified in the regulations. Many climate change models predict that the earth will continue to experience warmer temperatures over time, which in turn would affect the evaporation rate. Any revision to the safe yield regulations for surface water supplies should include consideration of new evaporation rates to be used in the calculation of safe yield.

- The calculation of safe yield for a groundwater source typically includes a simultaneous pumping test of all sources at the wellfield. During warmer periods, the water table is typically lower providing less head in a well between the water surface and a pump. If summers are expected to be warmer and drier in the future and punctuated with high-volume, short-duration rain events that result in high volumes of runoff and little infiltration, then lower summertime water tables would not be unreasonable to expect. Should the lowering of the water table be significant enough, the previously recorded pumping test drawdown used to calculate safe yield could now intersect or fall below the pump, indicating that expected yield would not be available when the well was pumped at the safe yield rate. While most safe yield tests include some measure of safety factor above the pump level to account for seasonal variations, such a safety factor is not explicitly called for in the regulations. Continued monitoring of regional groundwater levels is encouraged by WUCC members to determine any long-term trends that could reduce safe yield.

While the above discussion provides the WUCC with a starting point, future planning both within and outside of the WUCC will be necessary to prepare for and respond to climate change. Interconnections and new supply sources may become more important as part of these efforts.

2.4.2 Resiliency

Resilience is typically defined as the ability of a system, population, or community to prepare for, withstand, recover from, and adapt to stresses like natural disasters and climate change. Resilience can be measured in different ways, but one common method of measuring resilience is the number of days or months to recover from an event. A more resilient community can recover more quickly. In the case of a public water system (PWS), heightened resiliency shortens the recovery time.

The resiliency of water systems to climate change and natural hazards is a significant concern, particularly given the extensive power outages that occurred throughout the state during Tropical Storm Irene, Winter Storm Alfred, and Hurricane Sandy. Many smaller systems do not have standby power facilities, and numerous small systems issued boil water notices during the power outages associated with these events.

Resiliency is not a one-time effort. It must be continuously maintained and improved over time due to the risks associated with climate change. In the context of natural hazards such as flooding and severe wind storms, risk is commonly defined as the product or the sum of vulnerability and frequency (risk = vulnerability x frequency or risk = vulnerability + frequency). Thus, if an event has a low frequency and infrastructure is not vulnerable to the effects of that event, then the risk is assumed to be low. If an event has a high frequency and infrastructure is vulnerable to the effects of that event, then the risk is assumed to be high. Either low frequency coupled with high vulnerability or high frequency coupled with low vulnerability will produce moderate risk.

In the context of flood, wind, snow, and ice hazards and the need for developing climate resilience, risk will change over time because the frequency will increase. Certain storms are believed to be increasing in frequency, bringing more intense precipitation, winds, and heavier snow; flooding will increase in frequency as sea level rises and more intense precipitation runs off. Thus, even if water system infrastructure vulnerabilities remain static by doing nothing, risks will increase.

Therefore, public water systems are at a crossroads with regard to reducing risk. Vulnerabilities can remain static and risk can increase, or vulnerabilities can be reduced to hold risk at bay. If vulnerabilities can be reduced even further, then risks could be lowered in the face of climate change, leading to increased resilience. The least desired combination of all would be the development of increased vulnerabilities while frequencies increase because risks could rise faster than expected; this is the possible outcome if public water systems do not maintain and harden infrastructure.

The Resilience Loss Recovery Curve (Figure 2-1) helps explain how community or system function is affected by an acute disturbance such as a hurricane and depicts response and recovery curves. Community functions decline (blue and red areas) as communities respond to a disaster. A more resilient community can more quickly restart local services (utilities, businesses, schools) and chart a path to a “new normal.” The more resilient community incurs some losses (blue) but avoids additional losses (red) because it has taken informed measures (anticipating threats, developing disaster response plans and recovery strategies, longer-term land use policies) in advance to minimize the impact of the disturbance (i.e., planning and mitigation).

Resilient communities and systems may find opportunities to transform themselves and grow. Thus, a resilient water system’s “new normal” may be a higher level of function (solid blue, upper line) or it may be able to return to a level of function existing before the disturbance (dashed gray, lower line). Ultimately, this cycle repeats itself both before and after each disturbance resulting in opportunities to incrementally increase resilience.

Relative to floods, the State of Connecticut adopted a set of standards several decades ago that was forward-thinking and has helped make many state-funded projects resilient. Critical facilities must be designed according to the elevation of the 0.2% annual chance (500-year) flood rather than the 1% annual chance (100-year) flood, the elevations of which are typically developed for regulatory purposes by the Federal Emergency Management Agency (FEMA). The Federal Flood Risk Management Standard was issued by the Obama administration in 2015 and adopted a similar approach to be used for federally-funded facilities, but the standard was rescinded in 2017 by the Trump administration, although the United States Department of Housing and Urban Development continues to require that the standard be employed for its projects.

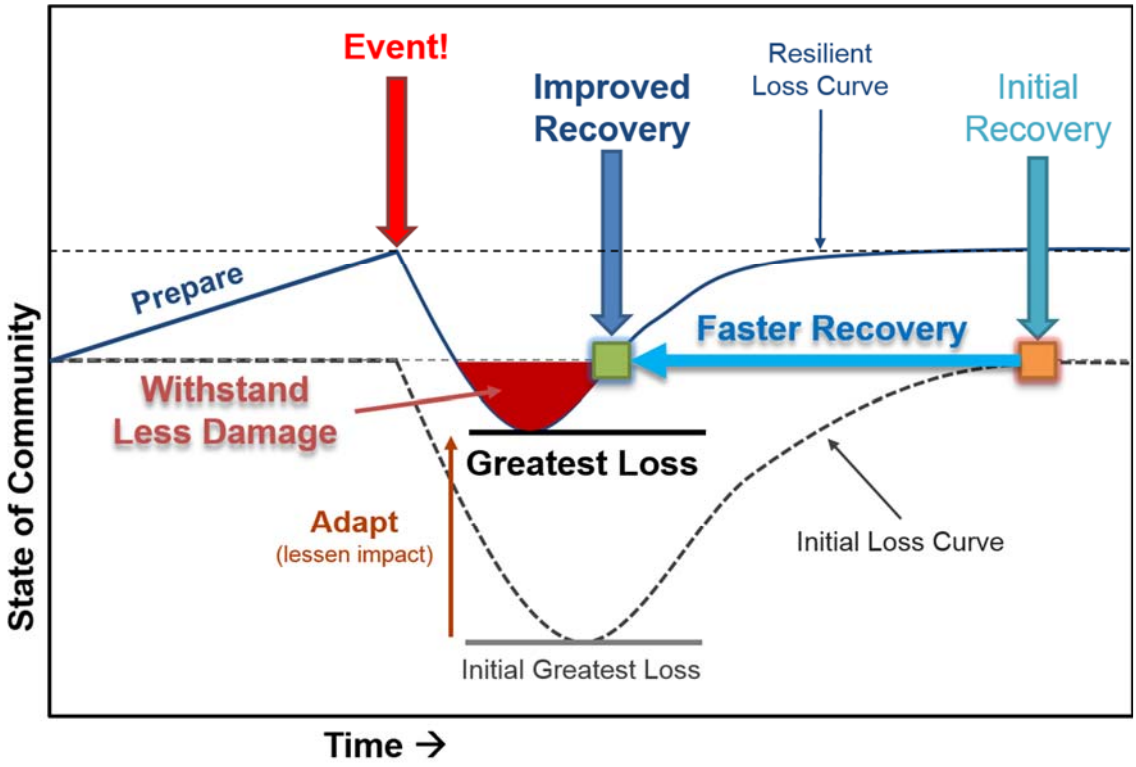


Figure 2-1. Resiliency Loss Curve

The Connecticut Public Health Code does not require that water system components or water supply wells be resistant to flooding from the 0.2% event, but water supply wells must be elevated above the 1% annual chance flood elevation. This creates a disparity among state laws because many public water system projects are partly funded by the state (or by federal funds passed through the state, which are subject to state requirements) and would therefore be subject to the more conservative standards. Furthermore, some Connecticut towns have adopted the more stringent DEEP model flood regulations and ordinances that require the higher standard for critical facilities regardless of funding sources. It will be important for the WUCCs and DPH to work together to correct the disparity.

Following Tropical Storm Irene (August 2011), Winter Storm Alfred (October 2011), and Hurricane Sandy (October 2012), DPH prepared its "three storm" strategy[10] in order to ensure safe and adequate public water supply and address vulnerabilities, emergency preparedness needs, resiliency, and system capacity in CWSs. Since that time, DPH has been addressing its "three storm" strategy through a variety of initiatives such as requiring emergency generators (and providing funding assistance to secure generators), requiring development of an emergency plan for all CWSs, updating critical facilities lists, and developing and implementing methods to evaluate technical, managerial, and financial capacity of small CWSs, and facilitating the CWSP process. Ongoing actions include workshops to assist with the emergency plan requirement, implementing new ideas for sharing information between utilities and DPH during an emergency, updating Certified Operator responsibilities, streamlining funding for small CWSs, developing regulations requiring asset and fiscal management and hydropneumatic tank assessments, and revising the process for ordering take overs of failing water systems.

[10] "DPH Drinking Water Section Strategy to Address the Effects of Storms Irene, Alfred, and Sandy on Connecticut's Public Water Systems" originally dated December 2011, last updated April 2018.

Public water systems should consider development of redundant infrastructure, backup power, increased system storage, and more comprehensive emergency response planning as part of their individual resiliency efforts.

Consistent with the "three storm" strategy, a study is being conducted by the Connecticut Institute for Resilience and Climate Adaptation (CIRCA) and UConn, concurrently with the WUCC planning process, to develop a Drinking Water System Vulnerability Assessment and Resiliency Plan for Connecticut's four coastal counties. The study will consider the impacts of flooding, winds, and heavy snow from extreme weather, drought, and other impacts of climate change on public and private water systems and include the results of research and interviews regarding how other states are responding to the heightened need for resiliency. The report is due by the end of 2018. Initial tasks have included interviews with DPH personnel, interviews with CWS owners and operators, a review of all available vulnerability assessments and Emergency Contingency Plans filed with WSPs, creation of a database of critical CWS components, and an analysis of potential interconnections to achieve resilience. Some of the results of the initial tasks are incorporated into this report.

2.4.3 Incorporation of Climate Change and Resiliency into Future Projects

Consideration of climate change and resiliency is included in the evaluation of projects discussed in Section 5.0. For the purposes of this report, it is assumed that sea level rise will not result in reduced public water system demands along low-lying shoreline areas even though some climate models predict the possibility of some level of shoreline retreat being possible over the 50-year planning period. At this point, the WUCC is best served evaluating the potential effects of climate change on future regional projects and evaluating how each project promotes resiliency when considering prioritization of projects. The following questions should be applied to each potential regional project:

- Does the proposed regional project build resiliency?
- Is the source of water for the project prudent to use in light of climate change?
- If the project is a new source of supply, will the source be resilient?
- Overall, is the project prudent in light of climate change?

3.0 POPULATION, CONSUMPTION, AND AVAILABLE WATER PROJECTIONS

3.1 Introduction

This section integrates projected town growth, individual public water system WSPs, service populations, and water system demand projections in comparison to presently calculated available water to meet future public water supply demands. Projections are provided in the following subsections by town and are based on data for the ESA of each ESA holder, such that each ESA holder may understand the total public water supply use within its ESA boundary. All projections are based on the final recommended ESAs developed during the former South Central Connecticut and Upper Connecticut River WUCC planning processes and the present Central WUCC planning process and are not limited to the existing service areas of the providers.

During this process, each public water system was invited to provide information regarding existing and projected service area populations and residential and nonresidential ADD, along with available water to meet ADD. The data collection was supplemented with individual system WSPs and the appropriate regional planning documents, with ADD estimated for the smaller systems that do not submit WSPs when other information was not available. See Appendix B for a discussion of how water demand projections were developed. The planning horizons for these projections correspond to the 5-, 20-, and 50-year planning horizons. The 5-year planning horizon is projected from the time of the CWSP development (2018). The 20- and 50-year planning horizons are projected from the last available census data (2010). Existing conditions are based on year 2015 data or 2016 data (where provided), and the planning horizons correspond to the years 2023, 2030, and 2060.

The regulations corresponding to the Integrated Report require analysis based on safe yield. "Available Water" is used herein in place of safe yield because available water represents the most limiting available supply between the safe yield of each source, registered or permitted capacity, pumping and hydraulic capacity, or contractual limitations. In addition, available water is used in water supply planning to determine system MOS. Existing ADD and MMADD of each system were compared to the yield of existing supplies to identify any surplus or deficit in available water. Note that information is either unavailable or limited regarding available water for non-community systems.

Recall from the *Final Recommended Exclusive Service Area Boundaries* (June 2017) that in many cases ESA holders expect to serve new developments with satellite CWSs developed under the Certificate of Public Convenience and Necessity (CPCN) process and not through an extension of water mains. Furthermore, ESA holders have expressed minimal interest in operating new NTNC and TNC water systems – the exception being new NTNC systems (such as new schools) in town-controlled ESAs. It is difficult to predict exactly where such new systems will be developed, but such systems would not be approved by DPH without a demonstration of sufficient available supply to meet demands. Estimates for growth of new satellite CWSs, as well as non-community water systems, are included herein as discussed in Appendix B.

Table 3-1 provides a summary of the projected ADD (in million gallons per day, or mgd), available water surplus or deficits, and MOS for CWSs in the Central PWSMA through the 5-year, 20-year, and 50-year planning horizons. The information presented in this table is developed in Section 3.5 of this document.

TABLE 3-1
Summary of Regional Community Water System ADD Projections, Available Water, and MOS

Planning Horizon	Existing and Projected ADD (mgd)	Existing Available Water to Meet ADD (mgd)	Existing and Projected Surplus or (Deficit) (mgd)	Existing and Projected Margin of Safety
Existing Conditions	150.327	265.757	115.430	1.77
5-Year (2023)	160.556	265.657	105.101	1.65
20-Year (2030)	164.064	245.995	81.931	1.50
50-Year (2060)	174.458	245.995	71.537	1.41

Note: Figures in Table 3-1 only include demands within the Central PWSMA. Available water reductions occur in the 5-year planning period due to system consolidations with the CWC – Western system. Available water increases in the 20-year planning period due to East Hampton Water Pollution Control Authority (WPCA) wellfield coming online which is currently available but not connected to the system. Potential available water reductions for future streamflow releases (calculated later in Table 3-10ab) are also included for the 20-year and 50-year planning horizons. Table 3-1 does not include the potential benefit of future water conservation measures or alternate methods for calculating available water (Section 3.5).

Table 3-1 focuses on community public water systems in the Central PWSMA and not non-community systems for several reasons. First, the larger community systems are required to provide WSPs to DPH, such that information is available regarding existing and projected ADD for these systems. Second, the majority of small community and non-community systems have not claimed expanded ESAs and therefore have limited growth potential. The vast majority will only ever serve their existing parcels. As identified in the *Final Water Supply Assessment* (December 2016), many of these systems serve less than 100 people and are likely to experience only small to modest increases in ADD, if any. As a group, these systems serve a minor percentage of the population within the Central PWSMA and are not expected to have increased ADD in the future.

While the information in Table 3-1 suggests that the region has sufficient public water supply to meet ADD throughout the 50-year planning period, the water is not necessarily in the location of need. As seen in the subsequent sections, individual systems are projecting supply deficits that will need to be addressed in the coming years, while some systems are projecting surplus water available.

3.2 Town Population and Demand Projections

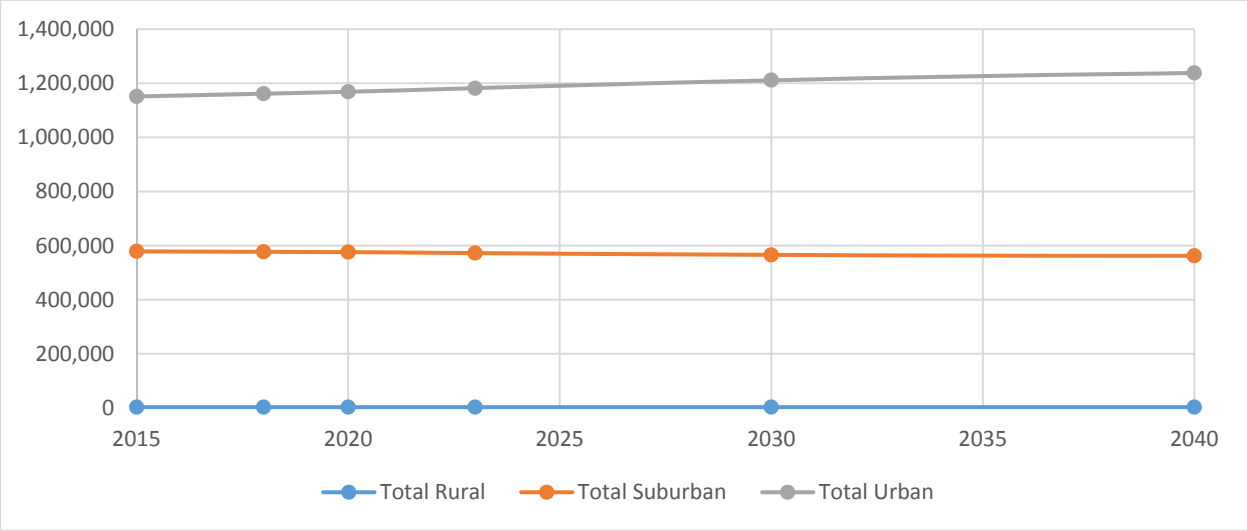
Projections of regional residential water supply demand presented in Section 3.2 and Section 3.3 are based on population projections for each town. This evaluation uses future population projections developed by the Connecticut State Data Center (CT SDC) in 2017, which include data for the years 2015, 2020, 2025, 2030, 2035, and 2040. Use of the CT SDC projections assures consistency with the *State Water Plan* (January 2018) which prepared water demand estimates based on the CT SDC projections. A discussion of how the population projections were interpolated to represent the 5-year planning horizon (2023) and extended to 2060 for the 50-year planning horizon is provided in Appendix C.

Town Population Projections

The overall regional population projection indicates a relatively steady increase in population through 2040 but with supplemental trends suggesting a continued increase in population occurring through 2060. Overall, the population of the Central PWSMA is anticipated to increase by approximately 71,000 people by 2040. Figure 3-1 presents the population projections by urban, suburban, and rural communities in the Central PWSMA through 2040. Overall, urban areas are projected to increase in

population consistently through the year 2040, suburban areas are projected to slightly decline in population through 2040, and rural populations are projected to slightly increase in population through 2040.

FIGURE 3-1
2017 CT SDC Population Projections for Central PWSMA by Community Type



Based on the above projection, the overall population in the region is expected to increase through 2040 driven primarily by growth in the urban communities. Population growth in the individual towns is projected to vary across the region throughout the planning period, with 39 of the 70 communities losing population through 2040. Table 3-2 presents these projections by town for the region. Note that actual population growth and decline over these planning periods may be more diffuse in some areas and more concentrated in other areas than presented in this report.

TABLE 3-2
Population Projections by Town for the Central PWSMA

Town	Classification	2010 Pop.	CT SDC 2015 Pop.	2023 Pop. Proj.	CT SDC 2030 Pop. Proj.	CT SDC 2040 Pop. Proj.	2060 Pop. Proj.
Andover	Suburban	3,303	3,261	3,069	2,864	2,550	2,550
Avon	Suburban	18,098	19,226	20,333	21,585	25,704	30,845
Berlin	Suburban	19,866	20,070	20,311	20,470	20,297	20,297
Bethany	Suburban	5,563	5,686	5,695	5,645	5,415	5,415
Bloomfield	Suburban	20,486	20,499	20,521	20,555	20,152	20,152
Bolton	Suburban	4,980	4,831	4,511	4,212	3,720	3,720
Branford	Urban	28,026	27,080	25,787	24,768	22,605	22,605
Canton	Suburban	10,292	10,672	10,966	11,107	11,461	11,801
Chester	Suburban	3,994	3,982	3,803	3,629	3,313	3,313
Clinton	Suburban	13,260	12,784	11,860	10,942	9,484	9,484
Columbia	Suburban	5,485	5,539	5,471	5,368	5,053	5,053
Coventry	Suburban	12,435	12,419	12,036	11,532	10,605	10,605
Cromwell	Urban	14,005	14,365	14,897	15,397	16,160	17,955
Deep River	Suburban	4,629	4,458	4,114	3,795	3,201	3,201

TABLE 3-2
Population Projections by Town for the Central PWSMA

Town	Classification	2010 Pop.	CT SDC 2015 Pop.	2023 Pop. Proj.	CT SDC 2030 Pop. Proj.	CT SDC 2040 Pop. Proj.	2060 Pop. Proj.
Durham	Suburban	7,388	7,509	7,394	7,180	6,791	6,791
East Granby	Suburban	5,148	5,252	5,325	5,341	5,306	5,306
East Haddam	Suburban	9,126	9,233	9,063	8,814	8,165	8,165
East Hampton	Suburban	12,959	13,403	13,546	13,049	11,543	11,543
East Hartford	Urban	51,252	52,053	54,147	56,260	58,550	63,415
East Haven	Urban	29,257	29,248	29,409	29,594	28,958	28,958
East Windsor	Suburban	11,162	11,802	13,193	14,459	16,011	18,945
Ellington	Suburban	15,602	16,811	18,582	20,018	21,951	25,011
Enfield	Urban	44,654	43,779	42,779	41,980	40,015	40,015
Essex	Suburban	6,683	6,505	6,094	5,703	5,082	5,082
Farmington	Suburban	25,340	25,398	25,526	25,773	26,150	27,665
Glastonbury	Suburban	34,427	34,920	34,676	34,366	35,939	41,929
Granby	Suburban	11,282	11,333	10,690	10,074	10,051	10,051
Guilford	Suburban	22,375	22,553	22,010	21,463	21,853	24,204
Haddam	Suburban	8,346	8,681	8,825	8,782	8,630	8,630
Hamden	Urban	60,960	61,263	63,808	66,758	70,408	80,623
Hartford	Urban	124,775	124,899	127,205	128,982	126,849	126,849
Hebron	Suburban	9,686	9,660	9,239	8,484	7,889	7,889
Killingworth	Suburban	6,525	6,522	6,102	5,681	4,955	4,955
Lyme	Rural	2,406	2,499	2,607	2,697	2,742	2,742
Madison	Suburban	18,269	18,266	17,003	16,068	16,261	19,513
Manchester	Urban	58,241	60,155	64,436	68,487	73,036	81,697
Mansfield	Suburban	26,543	26,706	27,338	27,800	29,416	33,756
Marlborough	Suburban	6,404	6,357	6,113	5,749	5,217	5,217
Meriden	Urban	60,868	61,835	63,567	65,180	66,146	66,366
Middlefield	Suburban	4,425	4,446	4,417	4,395	4,333	4,333
Middletown	Urban	47,648	48,319	51,105	54,018	57,666	66,644
Milford	Urban	52,759	51,958	50,534	49,331	46,897	46,897
New Britain	Urban	73,206	73,733	76,367	78,909	80,989	83,832
New Haven	Urban	129,779	131,871	137,305	141,795	143,914	143,914
Newington	Urban	30,562	30,804	31,603	32,578	34,158	39,102
North Branford	Suburban	14,407	14,182	13,512	12,858	11,855	11,855
North Haven	Suburban	24,093	24,020	23,691	23,433	23,245	23,245
Old Lyme	Suburban	7,603	7,437	6,998	6,621	6,040	6,040
Old Saybrook	Suburban	10,242	9,789	8,883	8,123	6,987	6,987
Orange	Suburban	13,956	13,844	13,746	13,682	14,075	15,781
Plainville	Urban	17,716	17,689	17,738	17,845	17,652	17,652
Portland	Suburban	9,508	9,695	9,833	9,965	10,145	10,553
Rocky Hill	Urban	19,709	20,450	21,839	23,143	24,926	28,832
Simsbury	Suburban	23,511	23,321	22,217	21,874	23,574	28,289
Somers	Suburban	11,444	11,665	11,661	11,543	11,330	11,330
South Windsor	Suburban	25,709	25,459	24,614	24,018	23,389	23,389
Southington	Urban	43,069	43,597	43,602	43,160	42,639	42,639
Stafford	Suburban	12,087	12,130	12,108	11,968	11,496	11,496
Suffield	Suburban	15,735	16,199	16,721	17,002	17,458	17,527

TABLE 3-2
Population Projections by Town for the Central PWSMA

Town	Classification	2010 Pop.	CT SDC 2015 Pop.	2023 Pop. Proj.	CT SDC 2030 Pop. Proj.	CT SDC 2040 Pop. Proj.	2060 Pop. Proj.
Tolland	Suburban	15,052	15,244	14,548	13,409	12,295	12,295
Vernon	Urban	29,179	29,485	30,372	31,117	31,375	31,375
Wallingford	Urban	45,135	45,068	44,972	44,988	44,313	44,313
West Hartford	Urban	63,268	64,301	66,196	68,342	72,685	86,103
West Haven	Urban	55,564	56,224	60,368	65,144	73,508	88,210
Westbrook	Suburban	6,938	7,048	7,072	7,059	6,911	6,911
Wethersfield	Urban	26,668	26,690	27,082	27,741	29,129	34,338
Willington	Suburban	6,041	6,397	6,467	6,450	5,937	5,937
Windsor	Suburban	29,044	28,721	28,399	28,225	27,498	27,498
Windsor Locks	Urban	12,498	12,487	12,618	12,766	12,633	12,633
Woodbridge	Suburban	8,990	8,654	8,015	7,497	6,599	6,599
Totals	**All**	**1,719,645**	**1,732,441**	**1,756,653**	**1,779,610**	**1,803,285**	**1,918,862**
	Rural	**2,406**	**2,499**	**2,607**	**2,697**	**2,742**	**2,742**
	Suburban	**574,348**	**578,569**	**572,621**	**565,197**	**562,087**	**597,909**
	Urban	**1,142,891**	**1,151,373**	**1,181,425**	**1,211,716**	**1,238,456**	**1,318,212**

Source: U.S. Census Bureau 2010; Population Projections published in 2017 by CT SDC
Notes: See Appendix C for interpolation and extrapolation of CT SDC projections.

Urban Area Population Projections

The urban towns are collectively projected to continue gaining population through the year 2040, with notable declines projected in Branford (-17%) and Milford (-10%). Significant population increases are projected through 2040 for Manchester (21%), Rocky Hill (22%), and West Haven (31%). Other urban communities projecting a population increase of more than 10% through 2040 include Cromwell (12%), Hamden (15%), Middletown (19%), New Britain (10%), Newington (11%), and West Hartford (13%). Overall, the urban communities are projected to gain approximately 87,000 people though 2040.

Suburban Area Population Projections

The suburban communities are collectively projected to decline in population through the year 2040 by approximately 16,500 people. The highest percentage declines in population through 2040 are projected to occur in Andover (-22%), Bolton (-23%), Clinton (-26%), Deep River (-28%), Essex (-22%), Killingworth (-24%), Old Saybrook (-29%), and Woodbridge (-24%). Other communities projecting population decreases of more than 10% through 2040 are include Chester (-17%), Coventry (-15%), Durham (-10%), East Haddam (-12%), East Hampton (-14%), Granby (-11%), Hebron (-18%), Madison (-11%), Marlborough (-18%), North Branford (-16%), Old Lyme (-19%), and Tolland (-19%). The only suburban communities experiencing a projected population increase of more than 10% through 2040 are Avon (34%), East Windsor (36%), Ellington (31%), and Mansfield (10%).

Rural Area Population Projections

The rural community of Lyme is projected to slightly increase in population through the year 2040 by approximately 240 people, a 10% increase.

Town Demand Projections

The population estimates presented in Table 3-2 were used to estimate the total residential water demands for the region. These demands are based on the CPCN regulatory design standard consumption figure of 75 gpcd (a figure that may be either higher or lower than actual usage in certain towns) and reflect the population served by individual wells as well as those served by public water systems. Table 3-3 presents the residential demand projections for the region by municipality. In many instances, most of the demand will be met by private water supply wells serving individual residences. The total demand is not expected to be met solely by the public water supply systems of the region.

TABLE 3-3
Estimated Residential ADD for Total Population by Town for the Central PWSMA

Town	2015-2016 Estimated Demand (mgd)	2023 Projected Demand (mgd)	2030 Projected Demand (mgd)	2060 Projected Demand (mgd)
Andover	0.245	0.230	0.215	0.191
Avon	1.442	1.525	1.619	2.313
Berlin	1.505	1.523	1.535	1.522
Bethany	0.426	0.427	0.423	0.406
Bloomfield	1.537	1.539	1.542	1.511
Bolton	0.362	0.338	0.316	0.279
Branford	2.031	1.934	1.858	1.695
Canton	0.800	0.822	0.833	0.885
Chester	0.299	0.285	0.272	0.248
Clinton	0.959	0.890	0.821	0.711
Columbia	0.415	0.410	0.403	0.379
Coventry	0.931	0.903	0.865	0.795
Cromwell	1.077	1.117	1.155	1.347
Deep River	0.334	0.309	0.285	0.240
Durham	0.563	0.555	0.539	0.509
East Granby	0.394	0.399	0.401	0.398
East Haddam	0.692	0.680	0.661	0.612
East Hampton	1.005	1.016	0.979	0.866
East Hartford	3.904	4.061	4.220	4.756
East Haven	2.194	2.206	2.220	2.172
East Windsor	0.885	0.990	1.084	1.421
Ellington	1.261	1.394	1.501	1.876
Enfield	3.283	3.208	3.149	3.001
Essex	0.488	0.457	0.428	0.381
Farmington	1.905	1.914	1.933	2.075
Glastonbury	2.619	2.601	2.577	3.145
Granby	0.850	0.802	0.756	0.754
Guilford	1.691	1.651	1.610	1.815
Haddam	0.651	0.662	0.659	0.647
Hamden	4.595	4.786	5.007	6.047
Hartford	9.367	9.540	9.674	9.514
Hebron	0.725	0.693	0.636	0.592
Killingworth	0.489	0.458	0.426	0.372
Lyme	0.187	0.196	0.202	0.206
Madison	1.370	1.275	1.205	1.463

TABLE 3-3
Estimated Residential ADD for Total Population by Town for the Central PWSMA

Town	2015-2016 Estimated Demand (mgd)	2023 Projected Demand (mgd)	2030 Projected Demand (mgd)	2060 Projected Demand (mgd)
Manchester	4.512	4.833	5.137	6.127
Mansfield	2.003	2.050	2.085	2.532
Marlborough	0.477	0.458	0.431	0.391
Meriden	4.638	4.768	4.889	4.977
Middlefield	0.333	0.331	0.330	0.325
Middletown	3.624	3.833	4.051	4.998
Milford	3.897	3.790	3.700	3.517
New Britain	5.530	5.727	5.918	6.287
New Haven	9.890	10.298	10.635	10.794
Newington	2.310	2.370	2.443	2.933
North Branford	1.064	1.013	0.964	0.889
North Haven	1.802	1.777	1.757	1.743
Old Lyme	0.558	0.525	0.497	0.453
Old Saybrook	0.734	0.666	0.609	0.524
Orange	1.038	1.031	1.026	1.184
Plainville	1.327	1.330	1.338	1.324
Portland	0.727	0.737	0.747	0.791
Rocky Hill	1.534	1.638	1.736	2.162
Simsbury	1.749	1.666	1.641	2.122
Somers	0.875	0.875	0.866	0.850
South Windsor	1.909	1.846	1.801	1.754
Southington	3.270	3.270	3.237	3.198
Stafford	0.910	0.908	0.898	0.862
Suffield	1.215	1.254	1.275	1.315
Tolland	1.143	1.091	1.006	0.922
Vernon	2.211	2.278	2.334	2.353
Wallingford	3.380	3.373	3.374	3.323
West Hartford	4.823	4.965	5.126	6.458
West Haven	4.217	4.528	4.886	6.616
Westbrook	0.529	0.530	0.529	0.518
Wethersfield	2.002	2.031	2.081	2.575
Willington	0.480	0.485	0.484	0.445
Windsor	2.154	2.130	2.117	2.062
Windsor Locks	0.937	0.946	0.957	0.947
Woodbridge	0.649	0.601	0.562	0.495
TOTAL	**129.933**	**131.749**	**133.471**	**143.915**

Notes: Demands represent total residential water demand for municipality and NOT demands on public water systems only.
Consumption projections are based on the state design standard of 75 gallons per person per day. Actual consumption may be significantly higher or lower in each community.

Overall, the population of the region is projected to increase approximately 4.1% through 2040 and continue increasing through the 50-year planning period from 1,732,441 in 2015 to 1,918,862 in 2060. Correspondingly, the current total estimated residential water demand of 129.933 mgd is projected to

increase to an estimated 133.471 mgd in 2030 and then increase to an estimated 143.915 mgd through 2060, discounting water conservation measures.

3.3 Town Public Water Service Population and ADD Projections

The existing residential public water service population and projected residential public water service population for each town in the Central PWSMA are presented in Table 3-4. These projections include only the residential population currently served by public water systems, and incorporate the analysis for the growth of new CWSs in Appendix B.

At present, approximately 80% of the population in the region is served by public water. This estimate is based on service area population data supplied by each water utility and CT SDC projections of the regional population. Within the 5-year planning period, 83% of the population is projected to be served by public water. This is forecast to increase to 85% and then slightly decrease to 84% within the 20- and 50-year planning periods, respectively. Hartford, Milford, and South Windsor are the only communities 100% served by public water supply although other municipalities such as Branford, Cromwell, East Haven, Enfield, Meriden, New Britain, New Haven, Southington, West Hartford, Wethersfield, Windsor, and Windsor Locks are nearly 100% served.

In some cases, the projected service ratio in Table 3-4 exceeds 100%. For current (2015 or 2016) service ratios, these are in some cases above 100% because the service ratios in WSPs were calculated using occupancy rates and population from the 2010 census (or, in rare cases, the 2000 census) and are out of date for the current CT SDC population projections. Similarly, the utility projections in WSPs were in most cases performed using previous versions of the CT SDC population projections, and in some cases included specific knowledge of significant projects not considered in CT SDC projections. As an example of the former case, a 124% service ratio is shown in Hartford for 2060 based on residential needs from earlier population projections. For an example of the latter case, the proposed municipal water system expansion in East Hampton envisioned in their water supply plan will greatly increase the service ratio in that community, but the projected population decline through 2060 using the CT SDC data results in the service ratio above 100%. These demands are maintained herein as they are conservative and therefore appropriate for long-range planning.

The service ratios in Table 3-4 highlight the dynamic nature of water supply planning and need for consistent updates to such planning. Although residential service ratios of above 100% are not technically possible, in many cases they were calculated because the water utility projections assumed that population in a town would continue to increase (and such population would require public water service), but the new CT SDC population projections (and the supplemental projections in Appendix C) predict otherwise. Such demands and service ratios from utility projections are maintained herein as they are conservative and therefore appropriate for long-range planning, with the expectation that individual utilities will adjust their projections in their next WSP update.

Table 3-4: Projected Town Population Versus Residential Water Service Population

Town	2015-2016			2023			2030			2060		
	CT SDC Total Population	Residential Service Population	Service Ratio	Projected Total Population	Residential Service Population	Service Ratio	Projected Total Population	Residential Service Population	Service Ratio	Projected Total Population	Residential Service Population	Service Ratio
Andover	3,261	90	2.8%	3,069	90	2.9%	2,864	90	3.1%	2,550	90	3.5%
Avon	19,226	14,547	75.7%	20,333	15,377	75.6%	21,585	16,215	75.1%	39,340	22,049	56.0%
Berlin	20,070	17,673	88.1%	20,311	18,457	90.9%	20,470	18,993	92.8%	20,297	22,703	111.9%
Bethany	5,686	147	2.6%	5,695	524	9.2%	5,645	953	16.9%	5,415	3,145	58.1%
Bloomfield	20,499	19,650	95.9%	20,521	20,514	100.0%	20,555	22,519	109.6%	20,152	23,760	117.9%
Bolton	4,831	428	8.9%	4,511	428	9.5%	4,212	428	10.2%	3,720	428	11.5%
Branford	27,080	27,758	102.5%	25,787	29,035	112.6%	24,768	29,916	120.8%	22,605	31,060	137.4%
Canton	10,672	4,146	38.8%	10,966	4,258	38.8%	11,107	4,318	38.9%	11,801	4,353	36.9%
Chester	3,982	1,701	42.7%	3,803	1,749	46.0%	3,629	1,808	49.8%	3,313	2,048	61.8%
Clinton	12,784	9,306	72.8%	11,860	9,306	78.5%	10,942	9,306	85.0%	9,484	9,306	98.1%
Columbia	5,539	84	1.5%	5,471	84	1.5%	5,368	84	1.6%	5,053	84	1.7%
Coventry	12,419	2,940	23.7%	12,036	2,940	24.4%	11,532	2,940	25.5%	10,605	2,940	27.7%
Cromwell	14,365	14,347	99.9%	14,897	15,432	103.6%	15,397	16,333	106.1%	17,955	18,945	105.5%
Deep River	4,458	2,043	45.8%	4,114	2,110	51.3%	3,795	2,193	57.8%	3,201	2,529	79.0%
Durham	7,509	658	8.8%	7,394	658	8.9%	7,180	658	9.2%	6,791	658	9.7%
East Granby	5,252	2,150	40.9%	5,325	2,285	42.9%	5,341	2,320	43.4%	5,306	2,375	44.8%
East Haddam	9,233	1,247	13.5%	9,063	1,247	13.8%	8,814	1,247	14.1%	8,165	1,247	15.3%
East Hampton	13,403	2,949	22.0%	13,546	2,980	22.0%	13,049	11,936	91.5%	11,543	13,708	118.8%
East Hartford	52,053	48,584	93.3%	54,147	50,469	93.2%	56,260	50,855	90.4%	63,415	53,183	83.9%
East Haven	29,248	27,948	95.6%	29,409	27,874	94.8%	29,594	27,898	94.3%	28,958	27,309	94.3%
East Windsor	11,802	4,969	42.1%	13,193	5,517	41.8%	14,459	5,766	39.9%	18,945	6,595	34.8%
Ellington	16,811	7,408	44.1%	18,582	8,150	43.9%	20,018	8,548	42.7%	25,011	9,872	39.5%
Enfield	43,779	39,799	90.9%	42,779	40,404	94.4%	41,980	41,465	98.8%	40,015	45,234	113.0%
Essex	6,505	2,605	40.0%	6,094	2,683	44.0%	5,703	2,778	48.7%	5,082	3,169	62.4%
Farmington	25,398	18,332	72.2%	25,526	18,936	74.2%	25,773	19,810	76.9%	27,665	21,673	78.3%
Glastonbury	34,920	23,815	68.2%	34,676	27,259	78.6%	34,366	29,233	85.1%	41,929	34,979	83.4%
Granby	11,333	1,837	16.2%	10,690	1,854	17.3%	10,074	1,894	18.8%	10,051	2,008	20.0%
Guilford	22,553	10,591	47.0%	22,010	10,891	49.5%	21,463	11,291	52.6%	24,204	14,291	59.0%
Haddam	8,681	193	2.2%	8,825	196	2.2%	8,782	196	2.2%	8,630	196	2.3%
Hamden	61,263	55,440	90.5%	63,808	58,351	91.4%	66,758	60,904	91.2%	80,623	66,243	82.2%
Hartford	124,899	124,898	100.0%	127,205	135,894	106.8%	128,982	145,047	112.5%	126,849	156,609	123.5%
Hebron	9,660	1,972	20.4%	9,239	1,972	21.3%	8,484	1,972	23.2%	7,889	1,972	25.0%
Killingworth	6,522	782	12.0%	6,102	782	12.8%	5,681	782	13.8%	4,955	782	15.8%
Lyme	2,499	0	0.0%	2,607	0	0.0%	2,697	0	0.0%	2,666	0	0.0%
Madison	18,266	8,351	45.7%	17,003	8,651	50.9%	16,068	9,051	56.3%	20,106	12,051	59.9%
Manchester	60,155	54,557	90.7%	64,436	58,337	90.5%	68,487	62,609	91.4%	81,697	63,341	77.5%
Mansfield	26,706	18,581	69.6%	27,338	19,077	69.8%	27,800	19,145	68.9%	33,756	19,503	57.8%
Marlborough	6,357	1,044	16.4%	6,113	1,044	17.1%	5,749	1,044	18.2%	5,217	1,044	20.0%
Meriden	61,835	59,409	96.1%	63,567	61,057	96.1%	65,180	64,396	98.8%	66,366	69,196	104.3%
Middlefield	4,446	327	7.4%	4,417	327	7.4%	4,395	327	7.4%	4,333	327	7.5%
Middletown	48,319	44,203	91.5%	51,105	46,612	91.2%	54,018	46,612	86.3%	66,644	50,168	75.3%
Milford	51,958	53,115	102.2%	50,534	55,024	108.9%	49,331	57,322	116.2%	46,897	61,835	131.9%
New Britain	73,733	71,542	97.0%	76,367	73,229	95.9%	78,909	79,279	100.5%	83,832	86,479	103.2%
New Haven	131,871	127,338	96.6%	137,305	135,046	98.4%	141,795	139,429	98.3%	139,580	155,144	111.2%
Newington	30,804	28,779	93.4%	31,603	29,520	93.4%	32,578	29,526	90.6%	39,102	31,744	81.2%
North Branford	14,182	5,471	38.6%	13,512	6,962	51.5%	12,858	8,696	67.6%	11,855	11,862	100.1%
North Haven	24,020	21,160	88.1%	23,691	22,151	93.5%	23,433	23,160	98.8%	23,245	24,959	107.4%
Old Lyme	7,437	3,779	50.8%	6,998	3,787	54.1%	6,621	3,807	57.5%	6,040	3,868	64.0%
Old Saybrook	9,789	8,117	82.9%	8,883	8,117	91.4%	8,123	8,117	99.9%	6,987	8,117	116.2%
Orange	13,844	10,448	75.5%	13,746	11,755	85.5%	13,682	12,821	93.7%	15,781	14,968	94.8%
Plainville	17,689	16,376	92.6%	17,738	18,069	101.9%	17,845	18,518	103.8%	17,652	17,966	101.8%
Portland	9,695	4,384	45.2%	9,833	4,445	45.2%	9,965	4,745	47.6%	10,553	5,245	49.7%
Rocky Hill	20,450	17,481	85.5%	21,839	18,662	85.5%	23,143	19,964	86.3%	28,832	23,827	82.6%
Simsbury	23,321	16,138	69.2%	22,217	16,279	73.3%	21,874	16,654	76.1%	33,947	17,795	52.4%
Somers	11,665	5,186	44.5%	11,661	6,166	52.9%	11,543	6,232	54.0%	11,330	6,821	60.2%
South Windsor	25,459	22,287	87.5%	24,614	24,227	98.4%	24,018	25,714	107.1%	23,389	28,835	123.3%
Southington	43,597	43,547	99.9%	43,602	45,260	103.8%	43,160	46,275	107.2%	42,639	53,183	124.7%
Stafford	12,130	2,971	24.5%	12,108	3,000	24.8%	11,968	3,059	25.6%	11,496	3,235	28.1%
Suffield	16,199	7,641	47.2%	16,721	7,992	47.8%	17,002	8,373	49.2%	17,527	9,642	55.0%
Tolland	15,244	3,969	26.0%	14,548	4,120	28.3%	13,409	4,430	33.0%	12,295	5,785	47.1%
Vernon	29,485	18,270	62.0%	30,372	19,142	63.0%	31,117	20,090	64.6%	30,380	23,245	76.5%
Wallingford	45,068	39,064	86.7%	44,972	40,786	90.7%	44,988	41,711	92.7%	44,313	37,219	84.0%
West Hartford	64,301	61,619	95.8%	66,196	62,384	94.2%	68,342	62,478	91.4%	86,103	71,709	83.3%
West Haven	56,224	52,416	93.2%	60,368	56,115	93.0%	65,144	57,997	89.0%	98,939	68,741	69.5%
Westbrook	7,048	4,050	57.5%	7,072	4,165	58.9%	7,059	4,224	59.8%	6,911	4,943	71.5%
Wethersfield	26,690	25,801	96.7%	27,082	26,178	96.7%	27,741	26,235	94.6%	34,338	29,653	86.4%
Willington	6,397	2,227	34.8%	6,467	2,247	34.7%	6,450	2,247	34.8%	5,937	2,247	37.8%
Windsor	28,721	27,695	96.4%	28,399	29,663	104.5%	28,225	30,966	109.7%	27,498	32,815	119.3%
Windsor Locks	12,487	11,808	94.6%	12,618	12,396	98.2%	12,766	13,186	103.3%	12,633	15,313	121.2%
Woodbridge	8,654	1,433	16.6%	8,015	1,882	23.5%	7,497	2,461	32.8%	6,599	5,148	78.0%
TOTAL	**1,732,441**	**1,391,620**	**80.3%**	**1,756,654**	**1,462,578**	**82.5%**	**1,779,610**	**1,531,596**	**85.0%**	**1,938,932**	**1,683,515**	**83.8%**

Total Population is from CT SDC as interpolated or extrapolated per discussion in Appendix C.

Residential Service Population is provided by water utilities, WSPs, or DPH records as applied per discussion in Appendix B and is based on most recent data available.

Existing and projected public water system demands for residential, nonresidential, unaccounted-for water, and ADD for each town in the Central PWSMA are presented in Table 3-5. These include ADD for all community, NTNC, and TNC systems within the borders of each town, with data for systems serving multiple towns apportioned per the discussion in Appendix B. Note that sales of water to other utilities are included in nonresidential demands. Total ADD is the sum of all demands within such systems along with demands for sales of water to other utilities. System ADD represents the water that is actually used within the boundary without counting the sales. Removing the sales to calculate system ADD is necessary to avoid double-counting the sales, which would otherwise be counted by both the seller (as demand) and the purchaser (as consumption).

The projections in Table 3-5 are based on existing utility planning efforts and do not necessarily take into account any future connections that could be gained by potential projects identified in this report, with the exception that they include the residential and nonresidential demands for the growth of new community and non-community water systems in Appendix B. The total public water system demand in the region for all public water systems is currently estimated at 151.301 mgd, and is projected to increase to 162.615 mgd, 166.470 mgd, and 179.703 mgd in the 5-year, 20-year, and 50-year planning horizons.

3.4 ESA Holder Public Water Service Population and Average Day Demand Projections

The existing residential public water service population and projected residential public water service population for each ESA holder in the Central PWSMA are presented in Table 3-6. ESA holders have been assigned responsibility for providing future public water service to residents outside of existing service areas and have the right of first refusal to own and operate new non-community water systems. See the *Final Recommended Exclusive Service Area Boundaries* (June 2017) for more details.

As ESA holders are likely to be asked to provide water service to residents should a smaller satellite system not operated by the ESA holder be unable to provide adequate technical, managerial, and financial capacity, these residential service population projections include all systems within the outermost ESA boundary or boundaries of the ESA holder and may include satellite systems owned and operated by another ESA holder. For example, the total residential service population figure of 1,044 for the Town of Marlborough includes the CWC satellite community systems and other small community systems within the Town of Marlborough, which are located within the outermost boundary of the Town of Marlborough's ESA. In addition, these projections incorporate the analysis for the growth of new CWSs in Appendix B.

Existing and projected demands for residential, nonresidential, unaccounted-for water, and ADD for each recommended or approved ESA holder are presented in Table 3-7. These include all community, NTNC, and TNC systems within each ESA boundary. Similar to Table 3-6, this table is specific to the outermost ESA boundary or boundaries of the ESA holder and may include satellite systems owned and operated by another ESA holder. For example, the total current system demand of 0.062 mgd within the outermost ESA of the Town of East Haddam includes the demands for all of the small community systems and non-community water systems within the ESA boundary, but not the CWC systems in town as those are associated with a CWC ESA. Similar to Table 3-5, this table also includes the total sales to other utilities that occur within that ESA boundary in order to avoid double-counting the sales of water that occur. For example, the sales for Cromwell Fire District to Berlin are part of "Total ADD" but are removed for system ADD to show demands within the existing service area of Cromwell Fire District.

Table 3-5: Existing and Projected ADD for Public Water Systems by Town (mgd)

Town	Current Demands (2015-2016)						5-Year Projected Demands (2023)						20-Year Projected Demands (2030)						50-Year Projected Demands (2060)					
	Residential Demand	Non-Residential Demand	Unaccounted-for Water	Total ADD	Water Sold to Other Systems	System ADD	Residential Demand	Non-Residential Demand	Unaccounted-for Water	Total ADD	Water Sold to Other Systems	System ADD	Residential Demand	Non-Residential Demand	Unaccounted-for Water	Total ADD	Water Sold to Other Systems	System ADD	Residential Demand	Non-Residential Demand	Unaccounted-for Water	Total ADD	Water Sold to Other Systems	System ADD
Andover	0.007	0.009	-	0.015	-	0.015	0.007	0.009	-	0.015	-	0.015	0.007	0.009	-	0.015	-	0.015	0.007	0.009	-	0.015	-	0.015
Avon	1.167	0.458	0.080	1.705	0.057	1.649	1.298	0.396	0.170	1.864	0.057	1.807	1.371	0.405	0.177	1.953	0.057	1.896	1.855	0.458	0.217	2.529	0.057	2.473
Berlin	1.199	0.637	0.256	2.093	0.218	1.874	1.275	0.906	0.325	2.506	0.353	2.153	1.312	0.840	0.273	2.425	0.218	2.207	1.601	1.082	0.337	3.020	0.218	2.801
Bethany	0.011	0.030	0.000	0.041	-	0.041	0.030	0.043	0.004	0.077	-	0.077	0.053	0.054	0.007	0.114	-	0.114	0.167	0.113	0.027	0.306	-	0.306
Bloomfield	1.294	0.683	0.523	2.500	-	2.500	1.613	0.707	0.345	2.665	-	2.665	1.771	0.777	0.365	2.913	-	2.913	1.868	0.820	0.368	3.056	-	3.056
Bolton	0.024	0.032	-	0.056	-	0.056	0.024	0.032	-	0.056	-	0.056	0.024	0.032	-	0.056	-	0.056	0.024	0.032	-	0.056	-	0.056
Branford	1.443	1.053	0.309	2.805	0.116	2.689	1.510	1.028	0.282	2.820	0.116	2.704	1.556	0.893	0.272	2.720	0.116	2.604	1.615	0.857	0.275	2.747	0.116	2.631
Canton	0.295	0.100	0.004	0.400	-	0.400	0.303	0.101	0.003	0.407	-	0.407	0.307	0.101	0.003	0.411	-	0.411	0.309	0.104	0.003	0.416	-	0.416
Chester	0.097	0.065	0.021	0.183	-	0.183	0.099	0.114	0.026	0.239	-	0.239	0.103	0.114	0.022	0.239	-	0.239	0.117	0.114	0.021	0.252	-	0.252
Clinton	0.534	0.203	0.175	0.913	-	0.913	0.530	0.200	0.156	0.886	-	0.886	0.549	0.197	0.138	0.883	-	0.883	0.520	0.201	0.078	0.799	-	0.799
Columbia	0.009	0.047	-	0.055	-	0.055	0.009	0.047	-	0.055	-	0.055	0.009	0.047	-	0.055	-	0.055	0.009	0.047	-	0.055	-	0.055
Coventry	0.116	0.044	0.012	0.172	-	0.172	0.116	0.044	0.012	0.172	-	0.172	0.116	0.044	0.012	0.172	-	0.172	0.116	0.044	0.012	0.172	-	0.172
Cromwell	1.054	0.578	0.159	1.792	0.076	1.716	1.093	0.532	0.162	1.786	0.076	1.710	1.238	0.671	0.166	2.075	0.076	1.998	1.409	0.901	0.193	2.502	0.076	2.426
Deep River	0.125	0.074	0.030	0.228	-	0.228	0.127	0.074	0.027	0.228	-	0.228	0.133	0.075	0.023	0.231	-	0.231	0.153	0.076	0.023	0.252	-	0.252
Durham	0.049	0.047	-	0.097	-	0.097	0.049	0.047	-	0.097	-	0.097	0.049	0.047	-	0.097	-	0.097	0.049	0.047	-	0.097	-	0.097
East Granby	0.136	0.152	0.028	0.316	-	0.316	0.160	0.159	0.021	0.340	-	0.340	0.163	0.161	0.021	0.344	-	0.344	0.167	0.173	0.021	0.361	-	0.361
East Haddam	0.035	0.038	0.007	0.080	-	0.080	0.035	0.038	0.007	0.080	-	0.080	0.035	0.038	0.007	0.080	-	0.080	0.035	0.038	0.007	0.080	-	0.080
East Hampton	0.124	0.055	0.002	0.182	-	0.182	0.127	0.056	0.002	0.184	-	0.184	0.860	0.153	0.096	1.109	-	1.109	1.023	0.204	0.119	1.346	-	1.346
East Hartford	3.193	1.705	1.313	6.211	-	6.211	3.965	1.698	0.831	6.493	-	6.493	3.982	1.712	0.807	6.501	-	6.501	4.189	1.774	0.798	6.761	-	6.761
East Haven	1.453	1.061	0.311	2.825	-	2.825	1.453	0.982	0.269	2.704	-	2.704	1.454	0.828	0.252	2.534	-	2.534	1.424	0.749	0.240	2.413	-	2.413
East Windsor	0.343	0.156	0.092	0.591	0.002	0.589	0.380	0.166	0.082	0.628	0.002	0.626	0.393	0.166	0.065	0.625	0.002	0.623	0.441	0.177	0.059	0.677	0.002	0.676
Ellington	0.507	0.184	0.147	0.838	-	0.838	0.557	0.190	0.130	0.876	-	0.876	0.578	0.200	0.104	0.882	-	0.882	0.654	0.212	0.094	0.960	-	0.960
Enfield	2.678	0.730	0.665	4.074	-	4.074	2.702	0.746	0.581	4.029	-	4.029	2.758	0.746	0.512	4.016	-	4.016	2.983	0.757	0.461	4.202	-	4.202
Essex	0.159	0.068	0.034	0.262	-	0.262	0.162	0.069	0.031	0.262	-	0.262	0.168	0.070	0.026	0.265	-	0.265	0.191	0.071	0.026	0.289	-	0.289
Farmington	1.715	1.621	0.227	3.563	0.802	2.761	1.733	1.634	0.210	3.577	0.802	2.775	1.807	1.682	0.207	3.696	0.802	2.894	1.981	1.723	0.214	3.917	0.802	3.115
Glastonbury	1.565	1.269	0.629	3.464	0.447	3.017	2.131	1.382	0.461	3.974	0.447	3.527	2.286	1.451	0.477	4.214	0.447	3.767	2.727	1.542	0.497	4.765	0.447	4.318
Granby	0.146	0.106	0.055	0.306	-	0.306	0.161	0.117	0.051	0.329	-	0.329	0.165	0.118	0.052	0.335	-	0.335	0.176	0.122	0.054	0.353	-	0.353
Guilford	0.617	0.233	0.195	1.045	-	1.045	0.629	0.236	0.178	1.044	-	1.044	0.674	0.241	0.164	1.080	-	1.080	0.808	0.314	0.119	1.241	-	1.241
Haddam	0.014	0.050	-	0.065	-	0.065	0.015	0.051	-	0.066	-	0.066	0.015	0.051	-	0.066	-	0.066	0.015	0.051	-	0.066	-	0.066
Hamden	2.883	2.114	0.616	5.613	-	5.613	3.034	2.078	0.567	5.679	-	5.679	3.226	1.752	0.530	5.508	-	5.508	3.565	1.696	0.540	5.801	-	5.801
Hartford	8.209	4.384	3.374	15.967	-	15.967	10.692	4.731	2.316	17.740	-	17.740	11.412	5.052	2.382	18.846	-	18.846	12.322	5.452	2.452	20.226	-	20.226
Hebron	0.083	0.034	0.002	0.118	-	0.118	0.083	0.034	0.002	0.118	-	0.118	0.083	0.034	0.002	0.118	-	0.118	0.083	0.034	0.002	0.118	-	0.118
Killingworth	0.032	0.044	-	0.077	-	0.077	0.032	0.044	-	0.077	-	0.077	0.032	0.044	-	0.077	-	0.077	0.032	0.044	-	0.077	-	0.077
Lyme	-	0.004	-	0.004	-	0.004	-	0.004	-	0.004	-	0.004	-	0.004	-	0.004	-	0.004	-	0.004	-	0.004		0.004
Madison	0.471	0.219	0.157	0.848	-	0.848	0.484	0.223	0.145	0.853	-	0.853	0.525	0.229	0.135	0.889	-	0.889	0.665	0.306	0.103	1.074	-	1.074
Manchester	3.587	0.562	0.797	4.946	0.005	4.941	3.859	1.155	0.863	5.877	0.005	5.872	4.142	1.318	0.941	6.401	0.005	6.396	4.190	1.322	0.949	6.462	0.005	6.457
Mansfield	0.767	0.818	0.052	1.637	0.150	1.487	0.803	1.009	0.128	1.940	-	1.940	0.807	1.253	0.135	2.194	-	2.194	0.829	1.640	0.152	2.622	-	2.622
Marlborough	0.055	0.019	0.013	0.087	-	0.087	0.055	0.030	0.013	0.098	-	0.098	0.055	0.042	0.013	0.110	-	0.110	0.055	0.052	0.013	0.120	-	0.120
Meriden	3.267	0.845	0.964	5.076	0.002	5.074	4.065	1.117	1.284	6.466	0.002	6.464	4.255	1.148	0.945	6.349	0.002	6.347	4.579	1.207	1.012	6.799	0.002	6.797
Middlefield	0.026	0.059	0.003	0.088	-	0.088	0.026	0.059	0.005	0.089	-	0.089	0.026	0.059	0.005	0.089	-	0.089	0.026	0.059	0.005	0.089	-	0.089
Middletown	2.848	0.734	0.396	3.978	-	3.978	3.029	1.120	0.633	4.782	-	4.782	3.029	1.260	0.657	4.946	-	4.946	3.296	1.274	0.657	5.227	-	5.227
Milford	2.762	2.016	0.590	5.368	-	5.368	2.861	1.950	0.534	5.345	-	5.345	2.981	1.711	0.521	5.213	-	5.213	3.215	1.707	0.547	5.469	-	5.469
New Britain	5.223	3.509	0.364	9.096	1.727	7.369	5.492	3.883	1.123	10.498	1.837	8.661	5.946	4.098	0.537	10.581	1.887	8.694	6.486	4.387	0.192	11.065	2.086	8.979
New Haven	6.622	4.832	1.416	12.869	-	12.869	7.022	4.783	1.312	13.118	-	13.118	7.274	4.130	1.259	12.662	-	12.662	8.091	4.252	1.363	13.706	-	13.706
Newington	1.898	1.010	0.757	3.665	-	3.665	2.318	1.018	0.498	3.834	-	3.834	2.297	0.989	0.458	3.743	-	3.743	2.496	0.965	0.419	3.880	-	3.880
North Branford	0.292	0.200	0.057	0.549	-	0.549	0.369	0.240	0.065	0.674	-	0.674	0.459	0.255	0.076	0.790	-	0.790	0.624	0.323	0.102	1.049	-	1.049
North Haven	1.100	0.803	0.235	2.139	-	2.139	1.152	0.785	0.215	2.152	-	2.152	1.204	0.691	0.211	2.106	-	2.106	1.298	0.689	0.221	2.207	-	2.207
Old Lyme	0.158	0.051	0.022	0.231	-	0.231	0.158	0.051	0.016	0.225	-	0.225	0.160	0.051	0.014	0.224	-	0.224	0.166	0.051	0.012	0.228	-	0.228
Old Saybrook	0.465	0.186	0.158	0.809	-	0.809	0.461	0.183	0.141	0.785	-	0.785	0.478	0.180	0.125	0.782	-	0.782	0.452	0.184	0.070	0.707	-	0.707
Orange	0.543	0.397	0.116	1.056	-	1.056	0.611	0.417	0.114	1.142	-	1.142	0.667	0.383	0.117	1.166	-	1.166	0.778	0.414	0.132	1.324	-	1.324
Plainville	0.983	0.433	0.095	1.511	-	1.511	1.084	0.258	0.117	1.458	-	1.458	1.037	0.219	0.109	1.365	-	1.365	0.898	0.215	0.097	1.210	-	1.210
Portland	0.469	0.139	0.070	0.679	-	0.679	0.474	0.140	0.149	0.762	-	0.762	0.494	0.155	0.158	0.806	-	0.806	0.564	0.175	0.180	0.919	-	0.919
Rocky Hill	1.149	0.614	0.472	2.235	-	2.235	1.468	0.646	0.316	2.431	-	2.431	1.570	0.692	0.326	2.588	-	2.588	1.863	0.716	0.322	2.901	-	2.901
Simsbury	1.313	0.494	0.414	2.221	-	2.221	1.543	0.619	0.348	2.510	-	2.510	1.582	0.631	0.357	2.570	-	2.570	1.689	0.680	0.377	2.746	-	2.746
Somers	0.409	0.097	0.150	0.655	0.028	0.627	0.496	0.105	0.155	0.757	0.028	0.728	0.500	0.110	0.151	0.761	0.028	0.733	0.549	0.118	0.114	0.781	0.028	0.753
South Windsor	1.498	0.702	0.516	2.715	-	2.715	1.768	0.745	0.409	2.922	-	2.922	1.867	0.774	0.373	3.014	-	3.014	2.067	0.816	0.361	3.244	-	3.244
Southington	2.615	0.794	0.459	3.868	-	3.868	2.745	0.989	0.477	4.212	-	4.212	2.832	1.058	0.516	4.406	-	4.406	3.368	1.838	0.456	5.661	-	5.661
Stafford	0.189	0.365	0.108	0.662	-	0.662	0.190	0.364	0.089	0.643	-	0.643	0.192	0.364	0.070	0.626	-	0.626	0.200	0.366	0.053	0.619	-	0.619
Suffield	0.524	0.181	0.144	0.850	-	0.850	0.545	0.187	0.127	0.859	-	0.859	0.565	0.187	0.103	0.854	-	0.854	0.638	0.191	0.093	0.922	-	0.922
Tolland	0.202	0.133	0.046	0.382	0.024	0.358	0.270	0.126	0.029	0.425	0.024	0.402	0.291	0.163	0.034	0.488	0.024	0.464	0.384	0.163	0.041	0.588	0.024	0.564
Vernon	1.246	0.453	0.353	2.051	-	2.051	1.297	0.453	0.311	2.060	-	2.060	1.347	0.463	0.249	2.059	-	2.059	1.529	0.463	0.225	2.217	-	2.217
Wallingford	2.012	1.451	0.478	3.941	-	3.941	2.001	1.901	0.571	4.472	-	4.472	2.092	2.139	0.585	4.815	-	4.815	2.092	2.174	0.653	4.918	-	4.918
West Hartford	4.050	2.585	1.665	8.299	0.422	7.877	4.902	2.534	1.034	8.469	0.422	8.047	4.909	2.538	0.997	8.444	0.422	8.022	5.605	2.566	0.964	9.135	0.422	8.713
West Haven	2.726	1.989	0.583	5.297	-	5.297	2.969	1.909	0.523	5.401	-	5.401	3.067	1.664	0.507	5.238	-	5.238	3.612	1.603	0.514	5.729	-	5.729
Westbrook	0.233	0.096	0.078	0.407	-	0.407	0.237	0.097	0.071	0.406	-	0.406	0.250	0.097	0.064	0.411	-	0.411	0.276	0.115	0.042	0.434	-	0.434
Wethersfield	1.696	0.906	0.697	3.298	-	3.298	2.059	0.908	0.444	3.412	-	3.412	2.054	0.893	0.421	3.367	-	3.367	2.325	0.884	0.398	3.607	-	3.607
Willington	0.160	0.019	0.003	0.182	-	0.182	0.161	0.020	0.003	0.184	-	0.184	0.161	0.020	0.003	0.184	-	0.184	0.161	0.020	0.003	0.184	-	0.184
Windsor	1.820	0.972	0.748	3.540	0.026	3.514	2.334	1.059	0.506	3.899	0.026	3.872	2.436	1.105	0.508	4.050	0.026	4.023	2.582	1.169	0.514	4.264	0.026	4.238
Windsor Locks	0.808	0.316	0.236	1.361	-	1.361	0.843	0.332	0.208	1.383	-	1.383	0.888	0.344	0.167	1.399	-	1.399	1.010	0.351	0.151	1.512	-	1.512
Woodbridge	0.075	0.065	0.016	0.155	-	0.155	0.098	0.077	0.018	0.193	-	0.193	0.128	0.084	0.022	0.234	-	0.234	0.268	0.153	0.046	0.466	-	0.466
TOTAL	**85.578**	**47.131**	**22.694**	**155.403**	**4.102**	**151.301**	**96.383**	**50.186**	**20.244**	**166.813**	**4.197**	**162.615**	**101.253**	**50.299**	**19.031**	**170.583**	**4.113**	**166.470**	**111.559**	**53.646**	**18.810**	**184.015**	**4.311**	**179.703**

Data is summarized from Tables B-3 through B-6 in Appendix B with additions from Tables B-1 and B-2 in Appendix B, and represents the most current data available from water utilities, WSPs, or DPH records

Table 3-6: Existing and Projected Residential Service Population by ESA Holder

ESA Holder	2015-2016 Total Residential Service Population	2023 Total Residential Service Population	2030 Total Residential Service Population	2060 Total Residential Service Population
Avon Water Company	12,025	12,622	13,216	18,492
Aquarion Water Company	18,425	18,552	18,928	19,964
Berlin Water Control Commission	7,010	7,493	7,748	9,138
Cromwell Fire District	14,347	15,432	16,333	18,945
Connecticut Water Company	178,081	185,240	191,943	218,291
East Hampton WPCA	2,746	2,777	11,733	13,505
ESA Unassigned	-	-	-	-
Hazardville Water Company	18,662	18,662	18,662	18,662
Kensington Fire District	7,553	7,762	7,965	9,640
Manchester Water Department	54,849	58,609	62,871	63,587
Metropolitan District Commission	391,732	415,408	432,170	474,647
Meriden Water Division	59,409	61,057	64,396	69,196
Middletown Water Department	43,387	45,796	45,796	49,352
New Britain Water Department	73,534	75,441	82,241	89,441
Portland Water Department	4,384	4,445	4,745	5,245
SCCRWA	382,674	404,719	421,557	470,414
Southington Water Department	43,547	45,260	46,275	53,183
State Agency Existing Service Area	13,515	13,515	13,515	13,515
Tolland Water Department	2,864	2,971	3,233	4,428
Town of Bolton	-	-	-	-
Town of Coventry	-	-	-	-
Town of Durham	330	330	330	330
Town of East Haddam	332	332	332	332
Town of Lyme	-	-	-	-
Town of Marlborough	1,044	1,044	1,044	1,044
Town of Middlefield	327	327	327	327
Valley Water Systerms	16,376	18,069	18,518	17,966
Wallingford Water Division	39,064	40,786	41,711	37,219
Windham Water Works	2,505	2,939	2,939	2,939
Worthington Fire District	2,898	2,990	3,068	3,713
TOTAL	**1,391,620**	**1,462,578**	**1,531,596**	**1,683,515**

Notes: Residential Service Population in the table is for only those areas in the Central PWSMA.
Data is summarized from Tables B-3 through B-6 in Appendix B with additions from Tables B-1 and B-2 in Appendix B and represents the most current data available from water utilities, WSPs, or DPH records.

Table 3-7: Existing and Projected ADD for Exclusive Service Areas by ESA Holder (mgd)

ESA Holder	Current Demands (2015-2016)						5-Year Projected Demands (2023)						20-Year Projected Demands (2030)						50-Year Projected Demands (2060)					
	Residential Demand	Non-Residential Demand	Unaccounted-for Water	Total ADD	Water Sold to Other Systems	System ADD	Residential Demand	Non-Residential Demand	Unaccounted-for Water	Total ADD	Water Sold to Other Systems	System ADD	Residential Demand	Non-Residential Demand	Unaccounted-for Water	Total ADD	Water Sold to Other Systems	System ADD	Residential Demand	Non-Residential Demand	Unaccounted-for Water	Total ADD	Water Sold to Other Systems	System ADD
Avon Water Company	1.019	0.618	0.075	1.712	0.057	1.655	1.049	0.516	0.166	1.731	0.057	1.674	1.098	0.525	0.173	1.795	0.057	1.739	1.523	0.570	0.211	2.304	0.057	2.247
Aquarion Water Company	1.487	0.502	0.465	2.455	-	2.455	1.733	0.678	0.398	2.809	-	2.809	1.773	0.688	0.408	2.869	-	2.869	1.873	0.730	0.428	3.031	-	3.031
Berlin Water Control Commission	0.481	0.410	0.154	1.045	0.218	0.827	0.483	0.575	0.152	1.211	0.353	0.857	0.497	0.470	0.108	1.076	0.218	0.857	0.622	0.656	0.143	1.421	0.218	1.203
Cromwell Fire District	1.054	0.578	0.159	1.792	0.076	1.716	1.093	0.532	0.162	1.786	0.076	1.710	1.238	0.671	0.166	2.075	0.076	1.998	1.409	0.901	0.193	2.502	0.076	2.426
Connecticut Water Company	11.942	4.899	3.068	19.909	0.040	19.869	12.394	5.039	2.744	20.177	0.040	20.136	12.862	5.128	2.358	20.348	0.040	20.307	14.354	5.464	1.969	21.787	0.040	21.747
East Hampton WPCA	0.118	0.052	0.002	0.173	-	0.173	0.121	0.053	0.002	0.176	-	0.176	0.854	0.151	0.096	1.100	-	1.100	1.017	0.201	0.119	1.337	-	1.337
ESA Unassigned	-	0.008	-	0.008	-	0.008	-	0.008	-	0.008	-	0.008	-	0.008	-	0.008	-	0.008	-	0.008	-	0.008	-	0.008
Hazardville Water Company	1.161	0.219	0.165	1.545	0.002	1.544	1.161	0.219	0.165	1.545	0.002	1.544	1.161	0.219	0.165	1.545	0.002	1.544	1.164	0.219	0.165	1.548	0.002	1.547
Kensington Fire District	0.529	0.184	0.097	0.810	-	0.810	0.567	0.243	0.110	0.920	-	0.920	0.584	0.270	0.116	0.970	-	0.970	0.703	0.326	0.140	1.169	-	1.169
Manchester Water Department	3.607	0.572	0.790	4.968	0.005	4.963	3.864	1.165	0.863	5.893	0.005	5.888	4.147	1.328	0.942	6.417	0.005	6.412	4.193	1.332	0.951	6.476	0.005	6.472
Metropolitan District Commission	25.738	15.430	10.555	51.723	1.698	50.025	32.649	16.035	6.997	55.680	1.698	53.982	33.938	16.585	6.997	57.519	1.698	55.821	37.252	17.299	6.997	61.548	1.698	59.850
Meriden Water Division	3.267	0.845	0.964	5.076	0.002	5.074	4.065	1.117	1.284	6.466	0.002	6.464	4.255	1.148	0.945	6.349	0.002	6.347	4.579	1.207	1.012	6.799	0.002	6.797
Middletown Water Department	2.777	0.505	0.396	3.677	-	3.677	2.957	0.891	0.633	4.481	-	4.481	2.957	1.031	0.657	4.645	-	4.645	3.224	1.045	0.657	4.926	-	4.926
New Britain Water Department	5.368	3.703	0.379	9.450	1.727	7.723	5.658	4.087	1.158	10.903	1.837	9.066	6.168	4.337	0.558	11.064	1.887	9.176	6.708	4.626	0.199	11.533	2.086	9.447
Portland Water Department	0.469	0.139	0.070	0.679	-	0.679	0.474	0.140	0.149	0.762	-	0.762	0.494	0.155	0.158	0.806	-	0.806	0.564	0.175	0.180	0.919	-	0.919
SCCRWA	19.909	14.559	4.249	38.717	0.116	38.601	21.110	14.292	3.904	39.306	0.116	39.190	22.067	12.443	3.775	38.285	0.116	38.169	24.690	12.555	4.005	41.251	0.116	41.135
Southington Water Department	2.615	0.793	0.459	3.867	-	3.867	2.745	0.988	0.477	4.210	-	4.210	2.832	1.056	0.516	4.405	-	4.405	3.368	1.837	0.456	5.660	-	5.660
State Agency Existing Service Area	0.487	0.856	-	1.343	0.150	1.193	0.487	0.954	0.060	1.501	-	1.501	0.487	1.177	0.072	1.736	-	1.736	0.487	1.547	0.091	2.125	-	2.125
Tolland Water Department	0.125	0.059	0.028	0.213	0.012	0.201	0.190	0.051	0.014	0.256	0.012	0.244	0.209	0.084	0.021	0.314	0.012	0.302	0.292	0.079	0.030	0.401	0.012	0.389
Town of Bolton	-	0.017	-	0.017	-	0.017	-	0.017	-	0.017	-	0.017	-	0.017	-	0.017	-	0.017	-	0.017	-	0.017	-	0.017
Town of Coventry	-	0.036	-	0.036	-	0.036	-	0.036	-	0.036	-	0.036	-	0.036	-	0.036	-	0.036	-	0.036	-	0.036	-	0.036
Town of Durham	0.025	0.046	-	0.071	-	0.071	0.025	0.046	-	0.071	-	0.071	0.025	0.046	-	0.071	-	0.071	0.025	0.046	-	0.071	-	0.071
Town of East Haddam	0.024	0.038	-	0.062	-	0.062	0.024	0.038	-	0.062	-	0.062	0.024	0.038	-	0.062	-	0.062	0.024	0.038	-	0.062	-	0.062
Town of Lyme	-	0.004	-	0.004	-	0.004	-	0.004	-	0.004	-	0.004	-	0.004	-	0.004	-	0.004	-	0.004	-	0.004	-	0.004
Town of Marlborough	0.055	0.019	0.013	0.087	-	0.087	0.055	0.030	0.013	0.098	-	0.098	0.055	0.042	0.013	0.110	-	0.110	0.055	0.052	0.013	0.120	-	0.120
Town of Middlefield	0.026	0.059	0.003	0.088	-	0.088	0.026	0.059	0.005	0.089	-	0.089	0.026	0.059	0.005	0.089	-	0.089	0.026	0.059	0.005	0.089	-	0.089
Valley Water Systerms	0.983	0.433	0.095	1.511	-	1.511	1.084	0.258	0.117	1.458	-	1.458	1.037	0.219	0.109	1.365	-	1.365	0.898	0.215	0.097	1.210	-	1.210
Wallingford Water Division	2.012	1.451	0.478	3.941	-	3.941	2.001	1.901	0.571	4.472	-	4.472	2.092	2.139	0.585	4.815	-	4.815	2.092	2.174	0.653	4.918	-	4.918
Windham Water Works	0.126	0.056	0.026	0.208	-	0.208	0.158	0.130	0.043	0.331	-	0.331	0.158	0.130	0.043	0.331	-	0.331	0.158	0.130	0.043	0.331	-	0.331
Worthington Fire District	0.174	0.040	0.004	0.218	-	0.218	0.209	0.085	0.059	0.353	-	0.353	0.215	0.097	0.047	0.359	-	0.359	0.260	0.097	0.054	0.410	-	0.410
TOTAL	**85.578**	**47.131**	**22.694**	**155.403**	**4.102**	**151.301**	**96.383**	**50.186**	**20.244**	**166.813**	**4.197**	**162.615**	**101.253**	**50.299**	**19.031**	**170.583**	**4.113**	**166.470**	**111.559**	**53.646**	**18.810**	**184.015**	**4.311**	**179.704**

Notes: Demands in the table are for only those areas in Central PWSMA.
Data is summarized from Tables B-3 through B-6 in Appendix B with additions from Tables B-1 and B-2 in Appendix B and represents the most current data available from water utilities, WSPs, or DPH records

These projections are based on existing utility planning efforts and do not necessarily take into account any future connections that could be gained by potential projects identified in this report, with the exception that they include the residential and nonresidential demands for the growth of new community and non-community water systems in Appendix B.

3.5 Public Water System Population and Demand Projections

Public water system demand projections are presented in Section 3.5 in comparison to existing available water. Such comparison is performed in order to provide a baseline for determination of future water supply needs in the region. Potential subtractions to available water are discussed beginning in Section 3.6.

3.5.1 Existing and Projected Service Population, Demands, and Available Water to Meet ADD

Existing and projected population; demands for residential, nonresidential, unaccounted-for water, and ADD; and available water for each CWS are presented in Appended Tables 1, 2, 3, and 4 for current conditions, the 5-year planning horizon, the 20-year planning horizon, and the 50-year planning horizon, respectively. These projections are based on existing utility planning efforts and do not necessarily take into account any future service connections that could be gained by potential interconnection projects identified in this report.

Projections for non-community water systems are not presented herein although they can be found in the tables in Appendix B. Note, however, that the vast majority, if not all, of non-community systems in the Central PWSMA are not anticipated to have increased water demands over the 50-year planning period. The Town of Marlborough NTNC system is an example where projections have been developed.

Total public water supply demand for CWSs is expected to increase 16% over existing conditions from current demands of 150.327 mgd to 174.458 mgd in 2060. Residential water demand is projected to increase by 25% from current demands of 85.578 mgd to 107.385 mgd in 2060. Nonresidential demands (excluding sales) on CWSs are expected to increase 15% over existing conditions from current demands of 42.055 mgd to 48.267 mgd in 2060.

3.5.2 Deficits in Available Water to Meet ADD

Current Deficits in Available Water to Meet ADD

Two systems are currently listed as having an existing deficit of available water to meet ADD in Appended Table 1. These include the following systems with the reason for the deficit provided:

- Aquarion Water Company (AWC) – Birchwood Estates (Marlborough): Deficit of 0.014 mgd; appears to be due to a high amount of unaccounted for water and the reported available water from the wells appears insufficient;
- Cedar Ridge Apartments (Willington): Deficit of 0.005 mgd; available yield appears insufficient for estimated demand at 75 gpcd; and
- Woodhaven Apartments (Willington): Deficit of 0.006 mgd; available yield appears insufficient for estimated demand at 75 gpcd.

Out of the three systems showing deficits, two were for well systems where the reported available water was less than the estimated ADD. It is recognized that the data utilized in this report may be out of date

for these two small community systems. Neither of these systems is expected to expand; therefore, the same deficits are carried in each projected planning horizon. AWC reported that the utility is actively considering alternatives to increase supply to the AWC – Birchwood Estates system.

A variety of water conservation methods may be utilized to reduce water demand as discussed in Section 2.4. The *State Water Plan* (January 2018) suggests that current regulations and passive phasing out of less efficient household fixtures could reduce residential demand by 10 gpcd and even up to 20 gpcd if active water conservation and water efficiency efforts are pursued. For the purposes of this planning document, passive water conservation measures are applied to CWSs to demonstrate the expected effect of passive conservation measures in the region, along with active measures conducted by certain utilities. CWSs have the greatest chance of conducting trackable water conservation and water efficiency measures as limited data is available for non-community water systems. The following assumptions were made to determine the potential water conservation benefits to each system:

- For systems where residential gpcd was above 50 gpcd, this report assumes that additional water conservation savings was possible. A residential water savings of 2 gpcd was assigned for the 5-year planning horizon, 6 gpcd for the 20-year planning horizon, and 10 gpcd for the 50-year planning horizon to represent passive water conservation savings.

- For systems where residential gpcd was above (but close to) 50 gpcd, a prorated water conservation savings was applied such that the residential gpcd did not fall below 50 gpcd.

- For systems where unaccounted for water is above 15%, this report assumes that utilities will be performing improvements (meter replacement, leak detection and main replacement, improved water auditing, etc.) to reduce unaccounted-for water. Unaccounted-for water was reduced to 15% of system demand (demands not including sales to other utilities). No adjustment to unaccounted-for water was made for systems with unaccounted-for water percentages of 15% or below.

Overall, the water conservation measures above are relatively modest compared to the types of measures that could be performed to greatly curtail use, and it is recognized that for some systems additional water conservation measures would be appropriate. Nevertheless, when these water conservation measures are assigned to the projections for the 5-year, 20-year, and 50-year planning horizons, the result is reduced water demand projections for several systems. The following sections discuss the projections for each planning horizon and the potential reduction in demand that could potentially be achieved by the water conservation measures discussed above.

5-Year Planning Horizon Deficits in Available Water to Meet ADD

The same systems identified as having a deficit in available water to meet ADD in the current period have the same projected deficits in the 5-year planning horizon (Appended Table 2).

As noted on Appended Table 2, the regional ADD for the community systems totals 160.556 mgd for the 5-year planning horizon. Future water conservation efforts described above would reduce this demand to 157.186 mgd, a savings of 3.370 mgd region-wide or 2.1% through 2023.

20-Year Planning Horizon Deficits in Available Water to Meet ADD

The following systems are identified as having a projected deficit in available water to meet ADD in the 20-year planning horizon (Appended Table 3). These include the following systems, with the reason for the deficit provided:

- AWC – Birchwood Estates (Marlborough): Deficit of 0.014 mgd; appears to be due to a high amount of unaccounted for water and the reported available water from the wells being insufficient;
- Cedar Ridge Apartments (Willington): Deficit of 0.005 mgd; available yield appears insufficient for estimated demand at 75 gpcd;
- East Hampton WPCA – Village Center (East Hampton): Deficit of 0.225 mgd; projected expansion of municipal water system is projected to result in additional supply sources being needed; and
- Woodhaven Apartments (Willington): Deficit of 0.006 mgd; available yield appears insufficient for estimated demand at 75 gpcd.

Out of the four systems showing deficits, only East Hampton WPCA – Village Center is new to the list. This system has a WSP that details the construction of a municipal water system that will service a large percentage of the town in the 20-year planning period and identifies the need for additional supply sources to be connected to the system to facilitate service.

As noted on Appended Table 3, the regional ADD for the community systems totals 164.064 mgd for the 20-year planning horizon. Future water conservation efforts described above would reduce this demand to 156.861 mgd, a savings of 7.203 mgd region-wide or 4.4% through 2030.

50-Year Planning Horizon Deficits in Available Water to Meet ADD

The following systems are identified as having a projected deficit in available water to meet ADD in the 50-year planning horizon (Appended Table 4). These include the following systems, with the reason for the deficit provided:

- AWC – Birchwood Estates (Marlborough): Deficit of 0.014 mgd; appears to be due to a high amount of unaccounted for water and the reported available water from the wells being insufficient;
- Cedar Ridge Apartments (Willington): Deficit of 0.005 mgd; available yield appears insufficient for estimated demand at 75 gpcd;
- East Hampton WPCA – Village Center (East Hampton): Deficit of 0.463 mgd; projected expansion of municipal water system is projected to result in additional supply sources being needed;
- Tolland Water Department (Tolland): Deficit of 0.021 mgd; available water not sufficient to meet projected demand in its WSP; and
- Woodhaven Apartments (Willington): Deficit of 0.006 mgd; available yield appears insufficient for estimated demand at 75 gpcd.

Out of the five systems showing deficits, only Tolland Water Department is new to the list. This system has a WSP that details potential additional supply sources to be further evaluated for potential use over the 50-year planning period.

As noted on Appended Table 4, the regional ADD for the community systems totals 174.458 mgd for the 50-year planning horizon. Future water conservation efforts described above would reduce this demand to 162.553 mgd, a savings of 11.905 mgd region-wide or 6.8% through 2060. In addition, the expected water conservation benefits would remove Tolland Water Department from depicting a deficit of available water to meet ADD. Methods to address the deficits identified in the 5-year, 20-year, and 50-year planning horizons are discussed in Section 3.7.

3.5.3 Existing and Projected Service Population, Demands, and Available Water to Meet MMADD

MMADD, or the highest ADD demand during any one calendar month of the year, is typically calculated and published for larger systems that submit WSPs. Table 3-8 presents a summary of existing and projected MMADD for the large CWSs based on both the standard projections above as well as the projections adjusted for water conservation measures. On average, the existing and projected peaking factor for MMADD (the MMADD divided by ADD) for the large CWSs in the region is 1.4, and ranges from 1.1 to 1.8 for most large systems, with systems that have heavy seasonal use having peaking factors above 2.0. Projected available water supply deficits for meeting MMADD are discussed in the following section.

3.5.4 Deficits in Available Water to Meet MMADD

Currently available water is compared to existing and projected MMADD for large CWSs in Table 3-9a. Recall from Section 2.3 that CT DPH recently developed forms to be utilized for calculation of available water that no longer allow previous guidance regarding water treatment plant capacity, peaking ratios from safe yield studies, supplemental supplies, or certain contractual guarantees to be utilized. Therefore, several systems that are reliant on surface water supplies, supplemental groundwater supplies, or interconnections are shown (on paper) as having low MOS to meet MMADD even though water is accessible by the system.

For the purposes of the remaining discussion:

- Tables with the suffix "a" represent unaltered projections provided by utilities, taken from water supply plans, or otherwise developed per Appendix B;
- Tables with the suffix "b" alter the projections with passive water conservation measures described in Section 3.5.2; and
- Tables with the suffix "c" include both the passive water conservation measures and adjustments to available water for meeting MMADD described in this section.

The combined regional MOS (MMADD divided by available water) for large CWSs in the region (including service areas extending into the Western and Eastern PWSMAs) is expected to decline from the current value of 1.38 to being 1.20 in 2060. The regional available water surplus for large CWSs to meet MMADD is 66.259 mgd in 2030 and 48.824 mgd in 2060. Not all systems are demonstrating surpluses of available water; several systems are showing deficits in available water which are regionally significant sooner than 2060. Some of these systems have reservoirs wherein available water may be further reduced by releases required by the Streamflow Standards and Regulations, but one (CWC – Unionville) is served by groundwater sources and interconnections for which one wellfield is affected by the revised methodology for calculation of available water. These reductions are discussed in Section 3.6.

Table 3-9b depicts existing and projected MMADD for large CWSs after adjusting for the water conservation measures discussed above. The water conservation measures greatly improve regional MOS in the region, with the current value of 1.38 declining to 1.28 by 2060. One large community system (CWC – Unionville) continues to show regionally-significant deficits sooner than 2060, but the overall need is mitigated by the water conservation measures. The projected surplus of available water to meet MMADD is 63.572 mgd in 2060 for the large community systems, a significant improvement over the 48.824 mgd projected for 2060 above. The use of targeted water conservation and water efficiency measures is expected to further reduce the projected deficits in the region.

Table 3-8: Existing and Projected MMADD (mgd)

Large Community Water System	2015-2016 Total ADD	2015-2016 MMADD	Peaking Factor	2023 Total ADD	Projected Peaking Factor	2023 MMADD	2023 Total ADD with Water Conservation	2023 MMADD with Water Conservation	2030 Total ADD	Projected Peaking Factor	2030 MMADD	2030 Total ADD with Water Conservation	2030 MMADD with Water Conservation	2060 Total ADD	Projected Peaking Factor	2060 MMADD	2060 Total ADD with Water Conservation	2060 MMADD with Water Conservation
Aquarion Water Co of CT-Simsbury System	2.026	3.421	1.69	2.380	1.73	4.117	2.346	4.059	2.440	1.73	4.221	2.342	4.052	2.600	1.73	4.498	2.433	4.210
Avon Water Co	1.710	2.967	1.74	1.720	1.60	2.751	1.695	2.711	1.784	1.60	2.855	1.706	2.729	2.164	1.60	3.462	1.997	3.196
Berlin Water Control Commission	1.028	1.115	1.08	1.193	1.24	1.479	1.178	1.461	1.058	1.24	1.312	1.012	1.255	1.404	1.24	1.741	1.314	1.629
Connecticut Correctional Institute	0.780	0.831	1.07	0.805	1.05	0.842	0.709	0.742	0.805	1.05	0.842	0.685	0.717	0.805	1.05	0.842	0.715	0.748
Connecticut Valley Hospital	0.301	0.320	1.06	0.301	1.06	0.320	0.299	0.318	0.301	1.06	0.320	0.296	0.315	0.301	1.06	0.320	0.293	0.311
Cromwell Fire District Water Department	1.787	2.897	1.62	1.783	1.61	2.870	1.752	2.820	2.071	1.61	3.334	1.973	3.176	2.452	1.61	3.948	2.269	3.654
CTWC - Naugatuck Reg-Collinsville Sys	0.479	0.782	1.63	0.469	1.38	0.647	0.467	0.644	0.484	1.38	0.668	0.451	0.622	0.491	1.38	0.677	0.435	0.601
CTWC - Northern Reg-Stafford System	0.573	0.635	1.11	0.554	1.12	0.620	0.543	0.609	0.537	1.12	0.601	0.523	0.585	0.530	1.12	0.594	0.509	0.570
CTWC - Northern Reg-Western System	9.805	12.950	1.32	9.969	1.24	12.361	9.792	12.142	9.976	1.24	12.370	9.419	11.679	10.810	1.24	13.405	9.731	12.067
CTWC - Shoreline Region-Chester System	0.585	0.841	1.44	0.643	1.40	0.900	0.631	0.883	0.647	1.40	0.906	0.611	0.855	0.706	1.40	0.988	0.635	0.889
CTWC - Shoreline Region-Guilford System	3.883	6.064	1.56	3.834	1.46	5.598	3.639	5.314	3.906	1.46	5.703	3.623	5.289	4.108	1.46	5.998	3.837	5.602
CTWC - Shoreline Region-Point O Woods	0.051	0.109	2.15	0.045	2.40	0.107	0.038	0.091	0.043	2.40	0.103	0.039	0.093	0.043	2.40	0.103	0.041	0.098
CTWC - Shoreline Region-Sound View	0.056	0.153	2.74	0.056	2.76	0.153	0.056	0.153	0.057	2.76	0.156	0.057	0.156	0.061	2.76	0.168	0.061	0.168
CTWC - Unionville System	2.185	3.314	1.52	2.260	1.44	3.254	2.226	3.206	2.357	1.44	3.395	2.253	3.245	2.680	1.44	3.859	2.481	3.572
Hazardville Water Company	1.511	2.736	1.81	1.511	1.30	1.965	1.475	1.917	1.511	1.30	1.965	1.401	1.822	1.511	1.30	1.965	1.328	1.727
Kensington Fire District	0.810	0.891	1.10	0.920	1.20	1.104	0.905	1.085	0.970	1.20	1.164	0.923	1.107	1.169	1.20	1.403	1.072	1.287
Manchester Water Department	4.940	6.285	1.27	5.755	1.20	6.906	5.642	6.770	6.278	1.20	7.534	5.912	7.095	6.336	1.20	7.603	5.719	6.862
Meriden Water Division	5.113	6.273	1.23	6.464	1.20	7.757	6.019	7.223	6.344	1.20	7.613	5.959	7.151	6.794	1.20	8.153	6.105	7.326
Metropolitan District Commission	51.642	63.000	1.22	55.308	1.22	67.476	54.487	66.474	57.088	1.22	69.647	54.530	66.527	59.428	1.22	72.502	54.958	67.049
Middletown Water Department	3.630	3.990	1.10	4.250	1.16	4.930	4.163	4.829	4.410	1.16	5.116	4.150	4.814	4.410	1.16	5.116	3.976	4.612
New Britain Water Department	9.450	10.395	1.10	10.720	1.10	11.792	10.574	11.632	10.880	1.10	11.969	10.402	11.442	11.350	1.10	12.485	10.480	11.528
Portland Water Department	0.665	1.130	1.70	0.744	1.40	1.041	0.698	0.977	0.788	1.40	1.103	0.721	1.010	0.900	1.40	1.260	0.805	1.127
SCCRWA	44.990	58.165	1.29	46.000	1.21	55.660	45.076	54.541	44.800	1.26	56.448	43.843	55.242	48.000	1.32	63.360	46.950	61.974
Southington Water Department	3.830	5.928	1.55	4.180	1.39	5.810	4.090	5.686	4.380	1.49	6.526	4.105	6.117	5.640	1.49	8.404	5.113	7.618
Tariffville Fire District Water Dept	0.107	0.128	1.20	0.107	1.20	0.128	0.104	0.125	0.107	1.20	0.128	0.099	0.118	0.107	1.20	0.128	0.093	0.112
Tolland Water Department	0.136	0.171	1.25	0.180	1.30	0.233	0.176	0.229	0.238	1.30	0.309	0.226	0.294	0.325	1.30	0.423	0.293	0.381
University of Connecticut - Main Campus	1.042	1.397	1.34	1.200	1.30	1.560	1.200	1.560	1.435	1.30	1.865	1.435	1.865	1.824	1.30	2.371	1.824	2.371
Valley Water Systems, Inc.	1.593	2.257	1.42	1.530	1.47	2.249	1.492	2.193	1.430	1.47	2.102	1.313	1.931	1.270	1.47	1.867	1.270	1.867
Wallingford Water Division	3.919	4.982	1.27	4.448	1.22	5.427	4.448	5.427	4.793	1.22	5.847	4.788	5.841	4.896	1.22	5.973	4.666	5.693
Windham Water Works	2.130	2.458	1.15	2.289	1.19	2.724	2.252	2.680	2.622	1.19	3.121	2.583	3.073	2.717	1.19	3.233	2.675	3.183
Worthington Fire District	0.218	0.237	1.08	0.353	1.30	0.459	0.341	0.444	0.359	1.30	0.466	0.340	0.442	0.410	1.30	0.534	0.373	0.485
AVERAGE			**1.41**		**1.38**					**1.39**					**1.39**			

Note: CTWC - Collinsville, Meriden Water Division, SCCRWA, Southington Water Department, Wallingford Water Division, and WWW demands include areas outside of the Central PWSMA.
Data represents the most current data available from water utilities or WSPs, projected forward if necessary per discussion in Appendix B.

Table 3-9a: System Margin of Safety to Meet MMADD

Large Community Water System	2015-2016 Total Available Water	2015-2016 MMADD	2015-2016 MOS for MMADD	2015-2016 Surplus / Deficit of Available Water	2023 Total Available Water	2023 MMADD	2023 MOS for MMADD	2023 Surplus / Deficit of Available Water	2030 Total Available Water	2030 MMADD	2030 MOS for MMADD	2030 Surplus / Deficit of Available Water	2060 Total Available Water	2060 MMADD	2060 MOS for MMADD	2060 Surplus / Deficit of Available Water
Aquarion Water Co of CT-Simsbury System	4.908	3.421	1.43	1.487	4.908	4.117	1.19	0.791	4.908	4.221	1.16	0.687	4.908	4.498	1.09	0.410
Avon Water Co	4.777	2.967	1.61	1.810	4.777	2.751	1.74	2.025	4.777	2.855	1.67	1.922	4.777	3.462	1.38	1.314
Berlin Water Control Commission	2.356	1.115	2.11	1.241	2.356	1.479	1.59	0.877	2.356	1.312	1.80	1.044	2.356	1.741	1.35	0.615
Connecticut Correctional Institute	1.300	0.831	1.56	0.469	1.300	0.842	1.54	0.458	1.300	0.842	1.54	0.458	1.300	0.842	1.54	0.458
Connecticut Valley Hospital	0.693	0.320	2.17	0.373	0.693	0.320	2.17	0.373	0.693	0.320	2.17	0.373	0.693	0.320	2.17	0.373
Cromwell Fire District Water Department	7.870	2.897	2.72	4.973	7.870	2.870	2.74	5.000	7.870	3.334	2.36	4.536	7.870	3.948	1.99	3.922
CTWC - Naugatuck Reg-Collinsville Sys	1.300	0.782	1.66	0.518	1.300	0.647	2.01	0.653	1.300	0.668	1.95	0.632	1.300	0.677	1.92	0.623
CTWC - Northern Reg-Stafford System	0.700	0.635	1.10	0.065	0.700	0.620	1.13	0.080	0.700	0.601	1.16	0.099	0.700	0.594	1.18	0.106
CTWC - Northern Reg-Western System	17.483	12.950	1.35	4.533	17.483	12.361	1.41	5.121	17.483	12.370	1.41	5.113	17.483	13.405	1.30	4.078
CTWC - Shoreline Region-Chester System	1.340	0.841	1.59	0.499	1.340	0.900	1.49	0.440	1.340	0.906	1.48	0.434	1.340	0.988	1.36	0.352
CTWC - Shoreline Region-Guilford System	7.060	6.064	1.16	0.996	7.060	5.598	1.26	1.462	7.060	5.703	1.24	1.357	7.060	5.998	1.18	1.062
CTWC - Shoreline Region-Point O Woods	0.111	0.109	1.02	0.002	0.111	0.107	1.03	0.004	0.111	0.103	1.07	0.008	0.111	0.103	1.08	0.008
CTWC - Shoreline Region-Sound View	0.162	0.153	1.06	0.009	0.162	0.153	1.06	0.009	0.162	0.156	1.04	0.006	0.162	0.168	0.96	(0.006)
CTWC - Unionville System	3.155	3.314	0.95	(0.159)	3.155	3.254	0.97	(0.099)	3.155	3.395	0.93	(0.240)	3.155	3.859	0.82	(0.704)
Hazardville Water Company	4.435	2.736	1.62	1.699	4.435	1.965	2.26	2.470	4.435	1.965	2.26	2.470	4.435	1.965	2.26	2.470
Kensington Fire District	-	0.891	-	-	-	1.104	-	-	-	1.164	-	-	-	1.403	-	-
Manchester Water Department	9.179	6.285	1.46	2.894	9.179	6.906	1.33	2.273	9.179	7.534	1.22	1.645	9.179	7.603	1.21	1.576
Meriden Water Division	9.710	6.273	1.55	3.437	9.710	7.757	1.25	1.953	9.710	7.613	1.28	2.097	9.710	8.153	1.19	1.557
Metropolitan District Commission	77.100	63.000	1.22	14.100	77.100	67.476	1.14	9.624	77.100	69.647	1.11	7.453	77.100	72.502	1.06	4.598
Middletown Water Department	7.254	3.990	1.82	3.264	7.254	4.930	1.47	2.324	7.254	5.116	1.42	2.138	7.254	5.116	1.42	2.138
New Britain Water Department	17.640	10.395	1.70	7.245	17.640	11.792	1.50	5.848	17.640	11.969	1.47	5.671	17.640	12.485	1.41	5.155
Portland Water Department	1.400	1.130	1.24	0.270	1.400	1.041	1.34	0.359	1.400	1.103	1.27	0.298	1.400	1.260	1.11	0.140
SCCRWA	76.700	58.165	1.32	18.535	76.700	55.660	1.38	21.040	76.700	56.448	1.36	20.252	76.700	63.360	1.21	13.340
Southington Water Department	7.000	5.928	1.18	1.072	7.000	5.810	1.20	1.190	7.000	6.526	1.07	0.474	7.000	8.404	0.83	(1.404)
Tariffville Fire District Water Dept	0.252	0.128	1.97	0.124	0.252	0.128	1.97	0.124	0.252	0.128	1.97	0.124	0.252	0.128	1.97	0.124
Tolland Water Department	0.304	0.171	1.78	0.133	0.304	0.233	1.30	0.071	0.304	0.309	0.98	(0.005)	0.304	0.423	0.72	(0.118)
University of Connecticut - Main Campus	2.980	1.397	2.13	1.583	2.980	1.560	1.91	1.420	2.980	1.865	1.60	1.115	2.980	2.371	1.26	0.609
Valley Water Systems, Inc.	3.770	2.257	1.67	1.513	3.770	2.249	1.68	1.521	3.770	2.102	1.79	1.668	3.770	1.867	2.02	1.903
Wallingford Water Division	9.079	4.982	1.82	4.097	9.079	5.427	1.67	3.652	9.079	5.847	1.55	3.231	9.079	5.973	1.52	3.106
Windham Water Works	4.100	2.458	1.67	1.642	4.100	2.724	1.51	1.376	4.100	3.121	1.31	0.979	4.100	3.233	1.27	0.867
Worthington Fire District	0.685	0.237	2.89	0.448	0.685	0.459	1.49	0.226	0.685	0.466	1.47	0.219	0.685	0.534	1.28	0.151
TOTAL	**284.802**	**206.822**	**1.38**	**78.871**	**284.802**	**213.241**	**1.34**	**72.665**	**284.802**	**219.708**	**1.30**	**66.259**	**284.802**	**237.380**	**1.20**	**48.824**

Note: "Total Available Water" does not include any subtractions for commitments to other water systems, as those demands are included in the MMADD demand numbers above.

CTWC - Collinsville, Meriden Water Division, SCCRWA, Southington Water Department, Wallingford Water Division, and WWW demands include areas outside of the Central PWSMA.

Kensington Fire District is guaranteed all necessary water from New Britain by contract, so available water is equal to demand.

Data represents the most current data available from water utilities or WSPs, projected forward if necessary per discussion in Appendix B.

Surpluses and deficits shown at a MOS of 1.0 (i.e., no additional water set aside).

Table 3-9b: System Margin of Safety to Meet MMADD with Water Conservation

Large Community Water System	2015-2016 Total Available Water	2015-2016 MMADD	2015-2016 MOS for MMADD	2015-2016 Surplus / Deficit of Available Water	2023 Total Available Water	2023 MMADD with Water Conservation	2023 MOS for MMADD	2023 Surplus / Deficit of Available Water	2030 Total Available Water	2030 MMADD with Water Conservation	2030 MOS for MMADD	2030 Surplus / Deficit of Available Water	2060 Total Available Water	2060 MMADD with Water Conservation	2060 MOS for MMADD	2060 Surplus / Deficit of Available Water
Aquarion Water Co of CT-Simsbury System	4.908	3.421	1.43	1.487	4.908	4.059	1.21	0.849	4.908	4.052	1.21	0.856	4.908	4.210	1.17	0.698
Avon Water Co	4.777	2.967	1.61	1.810	4.777	2.711	1.76	2.065	4.777	2.729	1.75	2.048	4.777	3.196	1.49	1.581
Berlin Water Control Commission	2.356	1.115	2.11	1.241	2.356	1.461	1.61	0.895	2.356	1.255	1.88	1.101	2.356	1.629	1.45	0.727
Connecticut Correctional Institute	1.300	0.831	1.56	0.469	1.300	0.742	1.75	0.558	1.300	0.717	1.81	0.583	1.300	0.748	1.74	0.552
Connecticut Valley Hospital	0.693	0.320	2.17	0.373	0.693	0.318	2.18	0.375	0.693	0.315	2.20	0.378	0.693	0.311	2.23	0.382
Cromwell Fire District Water Department	7.870	2.897	2.72	4.973	7.870	2.820	2.79	5.050	7.870	3.176	2.48	4.694	7.870	3.654	2.15	4.216
CTWC - Naugatuck Reg-Collinsville Sys	1.300	0.782	1.66	0.518	1.300	0.644	2.02	0.656	1.300	0.622	2.09	0.678	1.300	0.601	2.16	0.699
CTWC - Northern Reg-Stafford System	0.700	0.635	1.10	0.065	0.700	0.609	1.15	0.091	0.700	0.585	1.20	0.115	0.700	0.570	1.23	0.130
CTWC - Northern Reg-Western System	17.483	12.950	1.35	4.533	17.483	12.142	1.44	5.340	17.483	11.679	1.50	5.803	17.483	12.067	1.45	5.416
CTWC - Shoreline Region-Chester System	1.340	0.841	1.59	0.499	1.340	0.883	1.52	0.457	1.340	0.855	1.57	0.485	1.340	0.889	1.51	0.451
CTWC - Shoreline Region-Guilford System	7.060	6.064	1.16	0.996	7.060	5.314	1.33	1.746	7.060	5.289	1.33	1.771	7.060	5.602	1.26	1.458
CTWC - Shoreline Region-Point O Woods	0.111	0.109	1.02	0.002	0.111	0.091	1.22	0.020	0.111	0.093	1.19	0.018	0.111	0.098	1.14	0.013
CTWC - Shoreline Region-Sound View	0.162	0.153	1.06	0.009	0.162	0.153	1.06	0.009	0.162	0.156	1.04	0.006	0.162	0.168	0.96	(0.006)
CTWC - Unionville System	3.155	3.314	0.95	(0.159)	3.155	3.206	0.98	(0.051)	3.155	3.245	0.97	(0.090)	3.155	3.572	0.88	(0.417)
Hazardville Water Company	4.435	2.736	1.62	1.699	4.435	1.917	2.31	2.518	4.435	1.822	2.43	2.613	4.435	1.727	2.57	2.708
Kensington Fire District	-	0.891	-	-	-	1.085	-	-	-	1.107	-	-	-	1.287	-	-
Manchester Water Department	9.179	6.285	1.46	2.894	9.179	6.770	1.36	2.409	9.179	7.095	1.29	2.084	9.179	6.862	1.34	2.317
Meriden Water Division	9.710	6.273	1.55	3.437	9.710	7.223	1.34	2.487	9.710	7.151	1.36	2.559	9.710	7.326	1.33	2.384
Metropolitan District Commission	77.100	63.000	1.22	14.100	77.100	66.474	1.16	10.626	77.100	66.527	1.16	10.573	77.100	67.049	1.15	10.051
Middletown Water Department	7.254	3.990	1.82	3.264	7.254	4.829	1.50	2.425	7.254	4.814	1.51	2.440	7.254	4.612	1.57	2.642
New Britain Water Department	17.640	10.395	1.70	7.245	17.640	11.632	1.52	6.008	17.640	11.442	1.54	6.198	17.640	11.528	1.53	6.112
Portland Water Department	1.400	1.130	1.24	0.270	1.400	0.977	1.43	0.423	1.400	1.010	1.39	0.390	1.400	1.127	1.24	0.273
SCCRWA	76.700	58.165	1.32	18.535	76.700	54.541	1.41	22.159	76.700	55.242	1.39	21.458	76.700	61.974	1.24	14.726
Southington Water Department	7.000	5.928	1.18	1.072	7.000	5.686	1.23	1.314	7.000	6.117	1.14	0.883	7.000	7.618	0.92	(0.618)
Tariffville Fire District Water Dept	0.252	0.128	1.97	0.124	0.252	0.125	2.02	0.127	0.252	0.118	2.13	0.134	0.252	0.112	2.26	0.140
Tolland Water Department	0.304	0.171	1.78	0.133	0.304	0.229	1.33	0.076	0.304	0.294	1.04	0.011	0.304	0.381	0.80	(0.076)
University of Connecticut - Main Campus	2.980	1.397	2.13	1.583	2.980	1.560	1.91	1.420	2.980	1.865	1.60	1.115	2.980	2.371	1.26	0.609
Valley Water Systems, Inc.	3.770	2.257	1.67	1.513	3.770	2.193	1.72	1.577	3.770	1.931	1.95	1.839	3.770	1.867	2.02	1.903
Wallingford Water Division	9.079	4.982	1.82	4.097	9.079	5.427	1.67	3.652	9.079	5.841	1.55	3.237	9.079	5.693	1.59	3.386
Windham Water Works	4.100	2.458	1.67	1.642	4.100	2.680	1.53	1.420	4.100	3.073	1.33	1.027	4.100	3.183	1.29	0.917
Worthington Fire District	0.685	0.237	2.89	0.448	0.685	0.444	1.54	0.241	0.685	0.442	1.55	0.243	0.685	0.485	1.41	0.200
TOTAL	**284.802**	**206.822**	**1.38**	**78.871**	**284.802**	**208.947**	**1.36**	**76.941**	**284.802**	**210.659**	**1.35**	**75.251**	**284.802**	**222.517**	**1.28**	**63.572**

Note: "Total Available Water" does not include any subtractions for commitments to other water systems, as those demands are included in the MMADD demand numbers above.

CTWC - Collinsville, Meriden Water Division, SCCRWA, Southington Water Department, Wallingford Water Division, and WWW demands include areas outside of the Central PWSMA.

Kensington Fire District is guaranteed all necessary water from New Britain by contract, so available water is equal to demand.

Data represents the most current data available from water utilities or WSPs, projected forward if necessary per discussion in Appendix B.

Surpluses and deficits shown at a MOS of 1.0 (i.e., no additional water set aside).

The application of passive water conservation measures to the utility projections significantly improves regional MOS and reduces projected deficits of available water in the region. The use of targeted water conservation and water efficiency measures is expected to further improve regional MOS and reduce projected deficits.

The calculation of available water for several large CWSs (Section 2.3) appears to be impacted by the methodology standardized on the DPH forms for calculation of available water. Based on a review of water supply planning data, it appears that available water in the Meriden Water Division, MDC, and Wallingford Water Department are immediately affected as these utilities were previously using higher available water calculations for MMADD based on rated treatment plant capacity to calculate MOS.

One potential pathway forward for addressing the loss of available water to meet MMADD for reservoir systems is to utilize the maximum month peaking factor for withdrawals in the surface water safe yield model. The variation in monthly withdrawals is required to be modeled as part of the safe yield methodology for reservoir systems such that the resulting safe yield value determined by the iterative modeling is inherently linked to a peaking factor for modeled withdrawals. For other systems, available water to meet MMADD may be increased because of seasonal wells that are activated or because interconnection contracts allow for a higher volume to be delivered during the maximum month as long as the annual average is below a certain threshold. Each of these are suggested pathways forward towards generating guidance that would resolve the difference (on paper) between water actually available to be used versus the water available as defined by a strict interpretation of the regulations. It is recognized that other solutions may also be appropriate for use, and the WUCC should continue to work with DPH on this issue.

Table 3-9c depicts existing and projected MMADD for large CWSs reliant on reservoir supplies after adjusting for water conservation measures discussed above. In addition, the potential total available water to meet MMADD is increased based on the potential guidance discussed above, as appropriate. After accounting for potential available water guidance, none of the large community systems project a deficit to meet MMADD in 2030, and only four systems (CWC – Soundview, CWC – Unionville, Southington Water Department, and Tolland Water Department) project a deficit to meet MMADD in 2060. The deficits for these systems are greatly reduced from the values in Table 3-9a and Table 3-9b. Based on the reduction in the projected deficits, further consideration of the applicability of the available water calculation to MOS for MMADD appears warranted.

3.6 Effect of Streamflow Standards and Regulations on Surface Water Supplies

The Streamflow Standards and Regulations became effective December 2011. The stream classification process is currently underway by Connecticut Department of Energy and Environmental Protection (DEEP). In general, it is expected that stream segments immediately downstream of public water supply reservoirs will be classified as Class 3, requiring variable downstream releases depending upon the aquatic bioperiod. Depending on the size of the watershed that is impounded, reservoirs will need to release a different amount of water each bioperiod of the year, release a constant rate of water, or will not need to perform releases.

Table 3-9c: System Margin of Safety to Meet MMADD with Water Conservation and Available Water Guidance

Large Community Water System	Total Available Water for MMADD with Guidance	2015-2016 MMADD	2015-2016 MOS for MMADD	2015-2016 Surplus / Deficit of Available Water	Total Available Water for MMADD with Guidance	2023 MMADD with Water Conservation	2023 MOS for MMADD	2023 Surplus / Deficit of Available Water	Total Available Water for MMADD with Guidance	2023 MMADD with Water Conservation	2030 MOS for MMADD	2030 Surplus / Deficit of Available Water	Total Available Water for MMADD with Guidance	2023 MMADD with Water Conservation	2060 MOS for MMADD	2060 Surplus / Deficit of Available Water
Aquarion Water Co of CT-Simsbury System	4.908	3.421	1.43	1.487	4.908	4.059	1.21	0.849	4.908	4.052	1.21	0.856	4.908	4.210	1.17	0.698
Avon Water Co	4.777	2.967	1.61	1.810	4.777	2.711	1.76	2.065	4.777	2.729	1.75	2.048	4.777	3.196	1.49	1.581
Berlin Water Control Commission	2.356	1.115	2.11	1.241	2.356	1.461	1.61	0.895	2.356	1.255	1.88	1.101	2.356	1.629	1.45	0.727
Connecticut Correctional Institute	1.300	0.831	1.56	0.469	1.300	0.742	1.75	0.558	1.300	0.717	1.81	0.583	1.300	0.748	1.74	0.552
Connecticut Valley Hospital	0.693	0.320	2.17	0.373	0.693	0.318	2.18	0.375	0.693	0.315	2.20	0.378	0.693	0.311	2.23	0.382
Cromwell Fire District Water Department	7.870	2.897	2.72	4.973	7.870	2.820	2.79	5.050	7.870	3.176	2.48	4.694	7.870	3.654	2.15	4.216
CTWC - Naugatuck Reg-Collinsville Sys	1.300	0.782	1.66	0.518	1.300	0.644	2.02	0.656	1.300	0.622	2.09	0.678	1.300	0.601	2.16	0.699
CTWC - Northern Reg-Stafford System	0.740	0.635	1.17	0.105	0.740	0.609	1.22	0.131	0.740	0.585	1.26	0.155	0.740	0.570	1.30	0.170
CTWC - Northern Reg-Western System	18.473	12.950	1.43	5.523	18.473	12.142	1.52	6.330	18.473	11.679	1.58	6.793	18.473	12.067	1.53	6.406
Connecticut Water Company - Chester	1.340	0.841	1.59	0.499	1.340	0.883	1.52	0.457	1.340	0.855	1.57	0.485	1.340	0.889	1.51	0.451
Connecticut Water Company - Guilford	7.060	6.064	1.16	0.996	7.060	5.314	1.33	1.746	7.060	5.289	1.33	1.771	7.060	5.602	1.26	1.458
CTWC - Shoreline Region-Point O Woods	0.111	0.109	1.02	0.002	0.111	0.091	1.22	0.020	0.111	0.093	1.19	0.018	0.111	0.098	1.14	0.013
CTWC - Shoreline Region-Sound View	0.162	0.153	1.06	0.009	0.162	0.153	1.06	0.009	0.162	0.156	1.04	0.006	0.162	0.168	0.96	(0.006)
CTWC - Unionville System	3.456	3.314	1.04	0.142	3.456	3.206	1.08	0.250	3.456	3.245	1.07	0.211	3.456	3.572	0.97	(0.116)
Hazardville Water Company	4.435	2.736	1.62	1.699	4.435	1.917	2.31	2.518	4.435	1.822	2.43	2.613	4.435	1.727	2.57	2.708
Kensington Fire District	-	0.891	-	-	-	1.085	-	-	-	1.107	-	-	-	1.287	-	-
Manchester Water Department	10.637	6.285	1.69	4.352	10.637	6.770	1.57	3.867	10.637	7.095	1.50	3.543	10.637	6.862	1.55	3.775
Meriden Water Division	10.218	6.273	1.63	3.945	10.218	7.223	1.41	2.995	10.218	7.151	1.43	3.067	10.218	7.326	1.39	2.892
Metropolitan District Commission	88.665	63.000	1.41	25.665	88.665	66.474	1.33	22.191	88.665	66.527	1.33	22.138	88.665	67.049	1.32	21.616
Middletown Water Department	7.331	3.990	1.84	3.341	7.331	4.829	1.52	2.502	7.331	4.814	1.52	2.517	7.331	4.612	1.59	2.718
New Britain Water Department	18.947	10.395	1.82	8.552	18.947	11.632	1.63	7.315	18.947	11.442	1.66	7.505	18.947	11.528	1.64	7.419
Portland Water Department	1.400	1.130	1.24	0.270	1.400	0.977	1.43	0.423	1.400	1.010	1.39	0.390	1.400	1.127	1.24	0.273
SCCRWA	86.480	58.165	1.49	28.315	86.480	54.541	1.59	31.939	86.480	55.242	1.57	31.238	86.480	61.974	1.40	24.506
Southington Water Department	7.248	5.928	1.22	1.320	7.248	5.686	1.27	1.563	7.248	6.117	1.18	1.132	7.248	7.618	0.95	(0.370)
Tariffville Fire District Water Dept	0.252	0.128	1.97	0.124	0.252	0.125	2.02	0.127	0.252	0.118	2.13	0.134	0.252	0.112	2.26	0.140
Tolland Water Department	0.304	0.171	1.78	0.133	0.304	0.229	1.33	0.076	0.304	0.294	1.04	0.011	0.304	0.381	0.80	(0.076)
University of Connecticut - Main Campus	2.980	1.397	2.13	1.583	2.980	1.560	1.91	1.420	2.980	1.865	1.60	1.115	2.980	2.371	1.26	0.609
Valley Water Systems, Inc.	3.770	2.257	1.67	1.513	3.770	2.193	1.72	1.577	3.770	1.931	1.95	1.839	3.770	1.867	2.02	1.903
Wallingford Water Division	10.034	4.982	2.01	5.052	10.034	5.427	1.85	4.608	10.034	5.841	1.72	4.193	10.034	5.693	1.76	4.341
Windham Water Works	4.100	2.458	1.67	1.642	4.100	2.680	1.53	1.420	4.100	3.073	1.33	1.027	4.100	3.183	1.29	0.917
Worthington Fire District	0.968	0.237	4.09	0.731	0.968	0.444	2.18	0.524	0.968	0.442	2.19	0.525	0.968	0.485	1.99	0.482
TOTAL	**312.315**	**206.822**	**1.51**	**106.384**	**312.315**	**208.947**	**1.49**	**104.454**	**312.315**	**210.659**	**1.48**	**102.764**	**312.315**	**222.517**	**1.40**	**91.085**

Note: "Total Available Water" does not include any subtractions for commitments to other water systems, as those demands are included in the MMADD demand numbers above.

Guidance adjustment to Total Available Water includes peaking factor for maximum month variation in safe yield studies for reservoir sources.

CTWC - Collinsville, Meriden Water Division, SCCRWA, Southington Water Department, Wallingford Water Division, and WWW demands include areas outside of the Central PWSMA.

Kensington Fire District is guaranteed all necessary water from New Britain by contract, so available water is equal to demand.

Worthington Fire District contract allows up to 30,000,000 gallons to be purchased from Berlin during maximum month conditions.

Data represents the most current data available from water utilities or WSPs, projected forward if necessary per discussion in Appendix B.

Surpluses and deficits shown at a MOS of 1.0 (i.e., no additional water set aside).

Stream segments in several Central PWSMA major basins have yet to be finalized, so public water supply reservoirs in these areas with a registration for withdrawals from CT DEEP presently do not have a timetable to begin making releases. For sources in the South Central Coastal basin, classifications have been adopted and compliant releases must be initiated by 2026. For the purposes of this plan, it is assumed that releases will need to be made in the 20-year planning horizon (2030) regardless of basin. For those systems with diversion permits, it is generally expected that any permit renewal will include, at a minimum, streamflow releases in accordance with the Streamflow Standards and Regulations.

As noted in the *Final Water Supply Assessment* (December 2016), the following systems rely partially or fully on public water supply reservoirs for public water supply and may therefore need to make releases in accordance with the Streamflow Standards and Regulations:

- Connecticut Valley Hospital;
- Connecticut Water Company – Chester System;
- Connecticut Water Company – Guilford System;
- Connecticut Water Company – Stafford System;
- Connecticut Water Company – Western System;
- Manchester Water Department;
- Meriden Water Division;
- Metropolitan District Commission;
- Middletown Water Department;
- New Britain Water Department;
- South Central Connecticut Regional Water Authority;
- Southington Water Department;
- Wallingford Water Division; and
- Windham Water Works.

In addition to the above utilities, public water systems with active interconnections with any of the above utilities are also considered to be partially or fully reliant on reservoirs for their sources of supply. See Table 5-1 for a list of active interconnections in the Central PWSMA.

As the Streamflow Standards and Regulations include requirements for flow releases, it is expected that the safe yield calculations for reservoir systems owned and operated by the above utilities will need to be recalculated and resubmitted to DPH for approval. Reservoir safe yield calculations utilize a mass balance methodology based on a 99% or drier period of record (e.g., the data from the multiyear 1960s Connecticut drought which is drier than the 99% dry period of record), but this may vary depending on the location of the system in the state. The Streamflow Standards and Regulations also include rules for reducing releases based on certain drought triggers specified in RCSA 26-141b-6, which should be incorporated into the new safe yield calculation.

To date, most utilities have not yet quantified the potential impact of the Streamflow Standards and Regulations on safe yield and available water as the required releases will not take effect until late 2024 at the earliest (in the Eastern PWSMA) and will likely be phased in between 2026 and 2028 in the Central PWSMA. A few utilities have quantified the impact, and some others have performed preliminary analyses downstream of their dams to determine the amount of releases that may be required above

and beyond the natural flow in the stream. Where the results of these analyses have been made available, they have been incorporated herein.

Table 3-10ab presents a brief synopsis of the above utilities and how they may be affected by the Streamflow Standards and Regulations in relation to their need for additional supply sources. Table 3-10c provides the same analysis for MMADD assuming available water guidance becomes available in the near future. The analysis herein estimates the potential impact to safe yield (and therefore available water) for each reservoir system and is based on the following assumptions:

- For non-exempt reservoirs where analysis has not been conducted by the water utility, a decrease in safe yield of 15% was assumed.
- For Shenipsit Reservoir in the CWC - Western system, a 16.5% decrease in safe yield was provided by CWC, for which the evaluation includes potential release reductions for drought conditions included in the regulations. However, the resulting safe yield is still at or above the average day design capacity of the water treatment plant, so the functional reduction in available water under average annual conditions is zero.
- For the Guilford System, a 15% decrease in safe yield was provided by CWC.
- For SCCRWA, an estimated decrease of 8% was provided by the utility.
- For exempt reservoirs, no decrease in safe yield was assumed.
- For situations where the 80% duration flow in the rearing and growth bioperiod (RGQ80) [11] was between 0.1 and 0.15 cubic feet per second (cfs) (inclusive), zero decrease in safe yield was assumed based on preliminary work by some water utilities with conditionally exempt reservoirs.
- For situations where RGQ80 was between 0.16 and 0.20 cfs (inclusive), a 10% decrease in safe yield was assumed to be conservative with a figure between 0% and 15%; however, some of these may ultimately be exempt.
- For reservoir *systems*, this report assumes that the total safe yield decrease for the system equals the highest decrease of any individual reservoir (feeder or terminal). In most cases, this is 15% even if some feeder reservoirs are exempt.

The CWSP is a planning tool that can be used by the WUCCs to make regional decisions. It is not a detailed study of the impacts of the Streamflow Standards and Regulations, nor should it be interpreted as such. The assumptions herein are based on best-available data and are necessary to provide a starting point to determine the potential need for developing new sources of supply, and the final percentages will likely vary from those presented. The WUCCs encourage potentially affected water utilities to conduct system-specific studies of their release requirements and effect on safe yield within the five-year planning horizon, which will facilitate future revisions of this plan.

[11] RGQ80 stands for the 80% duration flow (the flow in a stream which is equaled or exceeded 80% of the time) during the Rearing and Growth bioperiod (July 1 to October 31 of each year) as defined in the Streamflow Standards and Regulations.

Table 3-10ab: Reservoir Systems and Potential Available Water Reductions Due to Required Streamflow Releases (mgd)

Community Water System	Current Available Water from Surface Water Sources	Available Water from Groundwater Sources	Available Water from Interconnections	Total Available Water	Committed Water to Others	Available Water for System	Estimated Percent Decrease in Available Water from Surface Water	Estimated Percent Decrease in Available Water from Surface Water	Estimated Percent Decrease in Available Water from Surface Water	Total Available Water (2023)	Total Available Water (2030)	Total Available Water (2060)	Estimated Available Water Reduction	Potential Plan to Offset Impact
Connecticut Valley Hospital	0.693	-	-	0.693	-	0.693	0%	0%	0%	0.693	0.693	0.693	-	No expected impact
CTWC - Northern Reg-Stafford System	0.700	-	-	0.700	-	0.700	0%	15%	15%	0.700	0.595	0.595	0.105	Reactivate inactive supplies, interconnection with Western system
CTWC - Northern Reg-Western System	9.050	8.393	0.040	17.483	1.600	15.883	0%	0%	0%	17.483	17.483	17.483	-	No expected impact
CTWC - Shoreline Region-Chester System	1.200	0.140	-	1.340	-	1.340	0%	15%	15%	1.340	1.160	1.160	0.180	Interconnection with Guilford system
CTWC - Shoreline Region-Guilford System	3.100	2.960	1.000	7.060	-	7.060	0%	15%	15%	7.060	6.595	6.595	0.465	Interconnection with Chester system, reactivate inactive supplies, increased utilitzation of active interconnection
Manchester Water Department	4.600	4.579	-	9.179	0.007	9.172	0%	15%	15%	9.179	8.489	8.489	0.690	Reactivate inactive supplies, pursue active interconnections
Meriden Water Division	5.800	3.400	0.500	9.700	-	9.700	0%	15%	15%	9.700	8.830	8.830	0.870	Increased utilization of active interconnection, new interconnections
Metropolitan District Commission	77.100	-	-	77.100	7.900	69.200	0%	0%	12%	77.100	77.100	67.848	9.252	Impact only if regulations change in future
Middletown Water Department	1.220	6.034	-	7.254	0.220	7.034	0%	0%	0%	7.254	7.254	7.254	-	No expected impact
New Britain Water Department	10.890	1.750	5.000	17.640	2.669	14.971	0%	15%	15%	17.640	16.007	16.007	1.634	Develop new sources or interconnections
South Central Connecticut Regional Water Authority	65.200	11.500	-	76.700	5.700	71.000	0%	8%	8%	76.70	71.484	71.484	5.216	Encourage water conservation, reactivate inactive supplies, reservoir modifications
Southington Water Department	0.920	6.080	-	7.000	-	7.000	0%	0%	0%	7.000	7.000	7.000	-	No expected impact
Wallingford Water Division	6.370	2.709	-	9.079		9.079	0%	30%	30%	9.079	7.168	7.168	1.911	Pursue active interconnections, develop new supply sources
Windham Water Works	4.100	-	-	4.100	-	4.100	0%	0%	0%	4.100	4.100	4.100	-	No expected impact
TOTAL	**190.943**	**47.544**	**6.540**	**245.027**	**18.096**	**226.931**				**245.027**	**233.957**	**224.705**	**20.323**	

Available water from WSPs as updated with recent utility-provided information.

Estimated percent decrease in available water due to flow releases estimated by MMI unless estimate provided by utility.

Table 3-10c: Reservoir Systems and Potential Available Water Reductions Due to Required Streamflow Releases with Available Water Guidance (mgd)

Community Water System	Current Total Available Water from Surface Water Sources with Guidance	Available Water from Groundwater Sources	Available Water from Interconnections	Total Available Water	Committed Water to Others	Available Water for System	Estimated Percent Decrease in Available Water from Surface Water (2023)	Estimated Percent Decrease in Available Water from Surface Water (2030)	Estimated Percent Decrease in Available Water from Surface Water (2060)	Total Available Water for MMADD (2023)	Total Available Water for MMADD (2030)	Total Available Water for MMADD (2060)	Estimated Available Water Reduction	Potential Plan to Offset Impact
Connecticut Valley Hospital	0.693	-	-	0.693	-	0.693	0%	0%	0%	0.693	0.693	0.693	-	No expected impact
CTWC - Northern Reg-Stafford System	0.740	-	-	0.740	-	0.740	0%	15%	15%	0.740	0.629	0.629	0.111	Reactivate inactive supplies, interconnection with Western system
CTWC - Northern Reg-Western System	10.040	8.393	0.040	18.473	1.600	16.873	0%	0%	0%	18.473	18.473	18.473	-	No expected impact
CTWC - Shoreline Region-Chester System	1.200	0.140	-	1.340	-	1.340	0%	15%	15%	1.340	1.160	1.160	0.180	Interconnection with Guilford system
CTWC - Shoreline Region-Guilford System	3.100	2.960	1.000	7.060	-	7.060	0%	15%	15%	7.060	6.595	6.595	0.465	Interconnection with Chester system, reactivate inactive supplies, increased utilitzation of active interconnection
Manchester Water Department	6.058	4.579	-	10.637	0.007	10.630	0%	15%	15%	10.637	9.728	9.728	0.909	Reactivate inactive supplies, pursue active interconnections
Meriden Water Division	6.318	3.400	0.500	10.218	-	10.218	0%	15%	15%	10.218	9.271	9.271	0.948	Increased utilization of active interconnection, new interconnections
Metropolitan District Commission	88.665	-	-	88.665	7.900	80.765	0%	0%	12%	88.665	88.665	78.025	10.640	Impact only if regulations change in future
Middletown Water Department	1.297	6.034	-	7.331	0.220	7.111	0%	0%	0%	7.331	7.331	7.331	-	No expected impact
New Britain Water Department	12.197	1.750	5.000	18.947	2.669	16.278	0%	15%	15%	18.947	17.117	17.117	1.830	Develop new sources or interconnections
South Central Connecticut Regional Water Authority	74.980	11.500	-	86.480	5.700	80.780	0%	8%	8%	86.480	80.482	80.482	5.998	Encourage water conservation, reactivate inactive supplies, reservoir modifications
Southington Water Department	1.168	6.080	-	7.248	-	7.248	0%	0%	0%	7.248	7.248	7.248	-	No expected impact
Wallingford Water Division	7.326	2.709	-	10.034		10.034	0%	30%	30%	10.034	7.836	7.836	2.198	Pursue active interconnections, develop new supply sources
Windham Water Works	4.100	-	-	4.100	-	4.100	0%	0%	0%	4.100	4.100	4.100	-	No expected impact
TOTAL	**217.882**	**47.544**	**6.540**	**271.966**	**18.096**	**253.871**				**271.966**	**259.328**	**248.688**	**23.278**	

Available water from WSPs as updated with recent utility-provided information.

Guidance adjustment to Total Available Water includes peaking factor for maximum month variation in safe yield studies for reservoir sources.

Estimated percent decrease in available water due to flow releases estimated by MMI unless estimate provided by utility.

While the MDC is currently exempt from providing releases under the Streamflow Standards and Regulations as it is a party to the Farmington River flow management plan, MDC has conducted a preliminary analysis of the potential release requirements on its reservoir supplies and the potential impact on safe yield. According to the MDC, compliance with the Streamflow Standards and Regulations would reduce its safe yield from 77.100 mgd to approximately 67.8 mgd, a reduction of 12%. For the purposes of this planning document, the 12% reduction has been applied to the 2060 planning period in the event that the MDC is no longer exempt from complying with the release requirements in the future.

Table 3-11a presents the adjusted surplus or deficit of available water for each public water system partially or fully reliant on reservoirs that will need to release water in accordance with the Streamflow Standards and Regulations. The CWC – Stafford system is projected to have a slight available water deficit in 2030 exacerbated by the required releases, as would MDC if it was no longer exempted from releases under the current regulations. The CWC – Chester, CWC – Guilford, Manchester Water Department, Meriden Water Division, New Britain Water Department, SCCRWA, and Wallingford Water Division appear to have sufficient supply to meet ADD, MMADD, and required releases for all planning horizons.

Table 3-11b presents similar information as Table 3-11a except that the demands include the reductions from the water conservation measures discussed above. Water conservation measures are anticipated to significantly reduce the overall new available water need for these systems. Table 3-11c presents similar information to Table 3-11b but adds adjustments to available water for meeting MMADD based on potential available water guidance. As the majority of projected deficits in the region appear to be related to meeting MMADD, the use of available water guidance would greatly reduce projected deficits for those systems required to perform releases in accordance with the Streamflow Standards and Regulations.

The Central WUCC is encouraged to continue monitoring streamflow release requirements and the potential effect on available water as the safe yields of reservoir systems are recalculated using the mass-balance methodology. When actual adjustments to safe yield and available water are available, the prioritization of certain interconnections or new source developments may need to occur at timelines other than those envisioned in this report. Furthermore, utilities are encouraged to check their release requirements every few years as regional hydrology equations are updated in the USGS *StreamStats* program, particularly given that climate change may result in drier summers in the future (Section 2.4.2).

3.7 Potential Solutions to Address Projected Available Water Deficits

Recall from Section 3.0 of the *Final Water Supply Assessment* (December 2016) that most of the large public water systems in the Central PWSMA were considering the development of new sources of supply or interconnections within or beyond the 5-year planning horizon. The new sources of supply or interconnections would be necessary to meet ADD, MMADD, or even PDD, as well as provide critical system redundancy should an existing source become temporarily unavailable. For the majority of those systems, such assessment was conducted prior to CT DPH formalizing the process for calculation of available water, which now renders the ADD and MMADD available water similar. This document does not utilize the previously informal guidance for calculation of available water for reservoir systems, such as assuming that a filter is offline under MMADD conditions.

Table 3-11a: Available Water Surplus or Deficit for Reservoir Systems Accounting for Required Streamflow Releases (mgd)

Community Water System	Current Total Available Water	Total Available Water (2023)	Total Available Water (2030)	Total Available Water (2060)	2023 Total ADD	2023 Surplus or Deficit of Available Water for ADD	2023 MMADD	2023 Surplus or Deficit of Available Water for MMADD	2030 Total ADD	2030 Surplus or Deficit of Available Water for ADD	2030 MMADD	2030 Surplus or Deficit of Available Water for MMADD	2060 Total ADD	2060 Surplus or Deficit of Available Water for ADD	2060 MMADD	2060 Surplus or Deficit of Available Water for MMADD
CTWC - Northern Reg-Stafford System	0.700	0.700	0.595	0.595	0.554	0.146	0.620	0.080	0.537	0.058	0.601	(0.006)	0.530	0.065	0.594	0.001
CTWC - Shoreline Region-Chester System	1.340	1.340	1.160	1.160	0.643	0.697	0.900	0.440	0.647	0.513	0.906	0.254	0.706	0.454	0.988	0.172
CTWC - Shoreline Region-Guilford System	7.060	7.060	6.595	6.595	3.834	3.226	5.598	1.462	3.906	2.689	5.703	0.892	4.108	2.487	5.998	0.597
Manchester Water Department	9.179	9.179	8.489	8.489	5.755	3.424	6.906	2.273	6.278	2.211	7.534	0.955	6.336	2.153	7.603	0.886
Meriden Water Division	9.700	9.700	8.830	8.830	6.464	3.236	7.757	1.943	6.344	2.486	7.613	1.217	6.794	2.036	8.153	0.677
Metropolitan District Commission	77.100	77.100	77.100	67.848	55.308	21.792	67.476	9.624	57.088	20.012	69.647	7.453	59.428	8.420	72.502	(4.654)
New Britain Water Department	17.640	17.640	16.007	16.007	10.720	6.920	11.792	5.848	10.880	5.126	11.969	4.038	11.350	4.657	12.485	3.522
SCCRWA	76.700	76.700	71.484	71.484	46.000	30.700	55.660	21.040	44.800	26.684	56.448	15.036	48.000	23.484	63.360	8.124
Wallingford Water Department	9.079	9.079	7.168	7.168	4.448	4.631	5.427	3.652	4.793	2.375	5.847	1.320	4.896	2.272	5.973	1.195
TOTAL	**208.498**	**208.498**	**197.427**	**188.175**	**133.725**	**74.772**	**162.134**	**46.363**	**135.273**	**62.154**	**166.268**	**31.159**	**142.147**	**46.028**	**177.655**	**10.520**

Available water values corrected for streamflow releases in Table 3-10a.
MMADD from Table 3-8.
Surpluses and deficits shown at a MOS of 1.0 (i.e., no additional water set aside).

Table 3-11b: Available Water Surplus or Deficit for Reservoir Systems Accounting for Required Streamflow Releases and Water Conservation (mgd)

Community Water System	Current Total Available Water	Total Available Water (2023)	Total Available Water (2030)	Total Available Water (2060)	2023 Total ADD with Water Conservation	2023 Surplus or Deficit of Available Water for ADD	2023 MMADD with Water Conservation	2023 Surplus / Deficit of Available Water for MMADD	2030 Total ADD with Water Conservation	2030 Surplus or Deficit of Available Water for ADD	2030 MMADD with Water Conservation	2030 Surplus / Deficit of Available Water for MMADD	2060 Total ADD with Water Conservation	2060 Surplus or Deficit of Available Water for ADD	2060 MMADD with Water Conservation	2060 Surplus / Deficit of Available Water for MMADD
CTWC - Northern Reg-Stafford System	0.700	0.700	0.595	0.595	0.543	0.157	0.609	0.091	0.523	0.072	0.585	0.010	0.509	0.086	0.570	0.025
CTWC - Shoreline Region-Chester System	1.340	1.340	1.160	1.160	0.631	0.709	0.883	0.457	0.611	0.549	0.855	0.305	0.635	0.525	0.889	0.271
CTWC - Shoreline Region-Guilford System	7.060	7.060	6.595	6.595	3.639	3.421	5.314	1.746	3.623	2.972	5.289	1.306	3.837	2.758	5.602	0.993
Manchester Water Department	9.179	9.179	8.489	8.489	5.642	3.537	6.770	2.409	5.912	2.577	7.095	1.394	5.719	2.770	6.862	1.627
Meriden Water Division	9.700	9.700	8.830	8.830	6.019	3.681	7.223	2.477	5.959	2.871	7.151	1.679	6.105	2.725	7.326	1.504
Metropolitan District Commission	77.100	77.100	77.100	67.848	54.487	22.613	66.474	10.626	54.530	22.570	66.527	10.573	54.958	12.890	67.049	0.799
New Britain Water Department	17.640	17.640	16.007	16.007	10.574	7.066	11.632	6.008	10.402	5.605	11.442	4.565	10.480	5.527	11.528	4.479
SCCRWA	76.700	76.700	71.484	71.484	45.076	31.624	54.541	22.159	43.843	27.641	55.242	16.242	46.950	24.534	61.974	9.510
Wallingford Water Division	9.079	9.079	7.168	7.168	4.448	4.631	5.427	3.652	4.788	2.380	5.841	1.326	4.666	2.501	5.693	1.475
TOTAL	**208.498**	**208.498**	**197.427**	**188.175**	**131.059**	**77.439**	**158.872**	**49.626**	**130.190**	**67.237**	**160.027**	**37.401**	**133.859**	**54.316**	**167.493**	**20.682**

Available water values corrected for streamflow releases in Table 3-10b.
MMADD from Table 3-8.
Surpluses and deficits shown at a MOS of 1.0 (i.e., no additional water set aside).

Table 3-11c: Available Water Surplus or Deficit for Reservoir Systems Accounting for Required Streamflow Releases, Water Conservation, and Available Water Guidance (mgd)

Community Water System	Current Total Available Water	Total Available Water (2023)	Total Available Water (2030)	Total Available Water (2060)	Total Available Water for MMADD (2023)	Total Available Water for MMADD (2030)	Total Available Water for MMADD (2060)	2023 Total ADD with Water Conservation	2023 Surplus or Deficit of Available Water for ADD	2023 MMADD with Water Conservation	2023 Surplus / Deficit of Available Water for MMADD	2030 Total ADD with Water Conservation	2030 Surplus or Deficit of Available Water for ADD	2030 MMADD with Water Conservation	2030 Surplus / Deficit of Available Water for MMADD	2060 Total ADD with Water Conservation	2060 Surplus or Deficit of Available Water for ADD	2060 MMADD with Water Conservation	2060 Surplus / Deficit of Available Water for MMADD
CTWC - Northern Reg-Stafford System	0.740	0.700	0.595	0.595	0.740	0.629	0.629	0.543	0.157	0.609	0.131	0.523	0.072	0.585	0.044	0.509	0.086	0.570	0.059
CTWC - Shoreline Region-Chester System	1.340	1.340	1.160	1.160	1.340	1.160	1.160	0.631	0.709	0.883	0.457	0.611	0.549	0.855	0.305	0.635	0.525	0.889	0.271
CTWC - Shoreline Region-Guilford System	7.060	7.060	6.595	6.595	7.060	6.595	6.595	3.639	3.421	5.314	1.746	3.623	2.972	5.289	1.306	3.837	2.758	5.602	0.993
Manchester Water Department	10.637	9.179	8.489	8.489	10.637	9.728	9.728	5.642	3.537	6.770	3.867	5.912	2.577	7.095	2.634	5.719	2.770	6.862	2.866
Meriden Water Division	10.218	9.700	8.830	8.830	10.218	9.271	9.271	6.019	3.681	7.223	2.995	5.959	2.871	7.151	2.119	6.105	2.725	7.326	1.945
Metropolitan District Commission	88.665	77.100	77.100	67.848	88.665	88.665	78.025	54.487	22.613	66.474	22.191	54.530	22.570	66.527	22.138	54.958	12.890	67.049	10.977
New Britain Water Department	18.947	17.640	16.007	16.007	18.947	17.117	17.117	10.574	7.066	11.632	7.315	10.402	5.605	11.442	5.675	10.480	5.527	11.528	5.589
SCCRWA	86.480	76.700	71.484	71.484	86.480	80.482	80.482	45.076	31.624	54.541	31.939	43.843	27.641	55.242	25.240	46.950	24.534	61.974	18.508
Wallingford Water Division	10.034	9.079	7.168	7.168	10.034	7.836	7.836	4.448	4.631	5.427	4.608	4.788	2.380	5.841	1.995	4.666	2.501	5.693	2.144
TOTAL	**234.122**	**208.498**	**197.427**	**188.175**	**234.122**	**221.483**	**210.844**	**131.059**	**77.439**	**158.872**	**75.250**	**130.190**	**67.237**	**160.027**	**61.457**	**133.859**	**54.316**	**167.493**	**43.351**

Available water values corrected for streamflow releases and potential guidance in Table 3-10c.
MMADD from Table 3-8.
Surpluses and deficits shown at a MOS of 1.0 (i.e., no additional water set aside).

Table 3-12a provides a summary of the available water needs in the region to meet ADD, MMADD, and potential release requirements in accordance with the Streamflow Standards and Regulations. The total new sources of available water needed are based on a MOS of 1.15. In total, approximately 20.532 mgd of new available water appears needed to meet MMADD and streamflow release requirements for systems in the table through 2060. Table 3-12b presents the same information, only with demands adjusted for the water conservation measures discussed above. The water conservation measures reduce the total new water need in the region to 3.530 mgd to obtain a margin of safety of 1.15 for each system in the table through 2060.

For certain public water systems, clarification of the available water calculations would reduce the apparent need for new supply sources by properly accounting for the mechanics of the reservoir safe yield model, contractual agreements, and supplemental supplies. The calculation of safe yield for a reservoir system requires accounting for the monthly variations in demand of the public water system, such that the withdrawal from the reservoir system is already simulated as greater than ADD during certain months and less than ADD for the remaining months in the model. In other words, the simulated withdrawals are already increased in the model during certain months, with the greatest increase essentially being modeled as the MMADD withdrawal. Thus, the model inherently assumes a safe yield for meeting MMADD because of the monthly variations. The use of this maximum month peaking factor is utilized herein to demonstrate the potential effect of this method on projected supply deficits. For example (as presented in Table 3-12c):

- CWC – Unionville utilizes the Farmington Industrial Park wellfield for peaking purposes. While the permitted annual average withdrawal used in the available water calculation is relatively small, allowing the most applicable permitted withdrawal to be utilized for calculation of available water to meet MMADD eliminates the projected deficits in 2023 and 2030, and reduces the need for new water by 2060 (to meet a MOS of 1.15) from 0.953 mgd (Table 3-16b) to 0.607 mgd.

- Southington Water Department did not utilize a higher value of available water to meet MMADD in its water supply plan, but its surface water safe yield evaluation used a maximum monthly variation factor of 1.27. Applying this factor to the surface water available water of 0.92 mgd (and adding in the available water from groundwater sources) results in a total available water to meet MMADD of 7.248 mgd. If such guidance were allowed, it would be sufficient to slightly reduce the projected deficit in 2060 for this system, requiring 1.5 mgd of new sources as opposed to the 1.8 mgd projected in Table 3-16b.

A change in the regulatory wording (or new guidance) to allow for more realistic methods of determining available water for meeting MMADD could mitigate the apparent need for water in several systems in the region. Assuming that a change in the regulatory wording (or new guidance) becomes available and offsets the majority of deficits to meet MMADD, the required water need in the region would be approximately 0.031 mgd through 2023, 0.385 mgd through 2030, and 2.898 mgd through 2060 to achieve a MOS of 1.15. This calculation includes estimated available water reductions for required streamflow releases and includes the passive water conservation measures described above. Part of this need could be met through interconnections with utilities demonstrating a surplus of available water, but in some cases new sources or source modifications would be needed. However, other options will be necessary for those systems with needs located in other areas of the region, including additional targeted water conservation and water efficiency efforts in specific systems (such as those envisioned under Scenario 2 and Scenario 3 in the *State Water Plan*).

Table 3-12a: Summary of Available Water Deficits (mgd)

Community Water System	2023 Deficit in Available Water to Meet ADD	2030 Deficit in Available Water to Meet ADD	2060 Deficit in Available Water to Meet ADD	2023 Deficit in Available Water to Meet MMADD	2030 Deficit in Available Water to Meet MMADD	2060 Deficit in Available Water to Meet MMADD	Potential Available Water Need 2023	Potential Available Water Need 2030	Potential Available Water Need 2060	Total Available Water Needed to Meet MOS 1.15 in 2023	Total Available Water Needed to Meet MOS 1.15 in 2030	Total Available Water Needed to Meet MOS 1.15 in 2060	Total New Sources Needed to Meet MOS 1.15 in 2023	Total New Sources Needed to Meet MOS 1.15 in 2030	Total New Sources Needed to Meet MOS 1.15 in 2060
Aquarion Water Company - Birchwood Estates	0.014	0.014	0.014	0.015	0.015	0.015	0.015	0.015	0.015	0.029	0.029	0.029	0.019	0.019	0.019
Cedar Ridge Apartments	0.005	0.005	0.005	0.007	0.007	0.007	0.007	0.007	0.007	0.028	0.028	0.028	0.010	0.010	0.010
CTWC - Northern Reg-Stafford System	-	-	-	-	0.006	-	-	0.006	-	-	0.691	-	-	0.096	-
CTWC - Shoreline Region-Sound View	-	-	-	-	-	0.006	-	-	0.006	-	-	0.193	-	-	0.031
CTWC - Unionville System	-	-	-	0.099	0.240	0.704	0.099	0.240	0.704	3.742	3.904	4.438	0.587	0.749	1.283
East Hampton WPCA - Village Center	-	0.225	0.463	-	0.293	0.601	-	0.293	0.601	-	1.167	1.522	-	0.445	0.800
Metropolitan District Commission	-	-	-	-	-	4.654	-	-	4.654	-	-	83.377	-	-	15.529
Southington Water Department	-	-	-	-	-	1.404	-	-	1.404	-	-	9.664	-	-	2.664
Tolland Water Department	-	-	0.021	-	0.005	0.118	-	0.005	0.118	-	0.356	0.486	-	0.051	0.181
Woodhaven Apartments	0.006	0.006	0.006	0.008	0.008	0.008	0.008	0.008	0.008	0.044	0.044	0.044	0.014	0.014	0.014
TOTAL	**0.025**	**0.251**	**0.508**	**0.129**	**0.575**	**7.518**	**0.129**	**0.575**	**7.518**	**3.843**	**6.219**	**99.781**	**0.631**	**1.386**	**20.532**

MMADD for small CWSs based on current reported data or estimated using peaking factor of 1.3.
Deficits to meet ADD from Appended Tables 2, 3, and 4 except where adjusted by Table 3-11a.
Deficits to meet MMADD from Table 3-9a except where adjusted by Table 3-11a.
Potential available water need is the higher of the ADD or MMADD deficit for that planning horizon.
Total available water need accounts for reduction in available water due to streamflow releases.
Total new sources reflects the volume of supply needed above the available water for that planning horizon.
Surpluses and deficits initially shown at a MOS of 1.0 (i.e., no additional water set aside), and then upscaled to MOS of 1.15 for each planning horizon.

Table 3-12b: Summary of Available Water Deficits Including Water Conservation (mgd)

Community Water System	2023 Deficit in Available Water to Meet ADD	2030 Deficit in Available Water to Meet ADD	2060 Deficit in Available Water to Meet ADD	2023 Deficit in Available Water to Meet MMADD	2030 Deficit in Available Water to Meet MMADD	2060 Deficit in Available Water to Meet MMADD	Potential Available Water Need 2023	Potential Available Water Need 2030	Potential Available Water Need 2060	Total Available Water Needed to Meet MOS 1.15 in 2023	Total Available Water Needed to Meet MOS 1.15 in 2030	Total Available Water Needed to Meet MOS 1.15 in 2060	Total New Sources Needed to Meet MOS 1.15 in 2023	Total New Sources Needed to Meet MOS 1.15 in 2030	Total New Sources Needed to Meet MOS 1.15 in 2060
Aquarion Water Company - Birchwood Estates	0.006	0.006	0.006	0.007	0.007	0.007	0.007	0.007	0.007	0.019	0.019	0.019	0.009	0.009	0.009
Cedar Ridge Apartments	0.005	0.003	0.002	0.006	0.004	0.003	0.006	0.004	0.003	0.027	0.025	0.023	0.009	0.008	0.006
CTWC - Northern Reg-Stafford System	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTWC - Shoreline Region-Sound View	-	-	-	-	-	0.006	-	-	0.006	-	-	0.193	-	-	0.031
CTWC - Unionville System	-	-	-	0.051	0.090	0.417	0.051	0.090	0.417	3.687	3.732	4.108	0.532	0.577	0.953
East Hampton WPCA - Village Center	-	0.168	0.348	-	0.218	0.453	-	0.218	0.453	-	1.081	1.351	-	0.359	0.629
Metropolitan District Commission	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Southington Water Department	-	-	-	-	-	0.618	-	-	0.618	-	-	8.761	-	-	1.761
Tolland Water Department	-	-	-	-	-	0.076	-	-	0.076	-	-	0.438	-	-	0.133
Woodhaven Apartments	0.005	0.004	0.002	0.007	0.005	0.002	0.007	0.005	0.002	0.043	0.040	0.037	0.013	0.010	0.007
TOTAL	**0.016**	**0.180**	**0.358**	**0.071**	**0.323**	**1.582**	**0.071**	**0.323**	**1.582**	**3.775**	**4.896**	**14.931**	**0.563**	**0.962**	**3.530**

MMADD for small CWSs based on current reported data or estimated using peaking factor of 1.3.
Deficits to meet ADD from Appended Tables 2, 3, and 4 except where adjusted by Table 3-11b.
Deficits to meet MMADD from Table 3-19b except where adjusted by Table 3-11b.
Potential available water need is the higher of the ADD or MMADD deficit for that planning horizon.
Total available water need accounts for reduction in available water due to streamflow releases.
Total new sources reflects the volume of supply needed above the available water for that planning horizon.
Surpluses and deficits initially shown at a MOS of 1.0 (i.e., no additional water set aside), and then upscaled to MOS of 1.15 for each planning horizon.

Table 3-12c: Summary of Available Water Deficits Including Water Conservation and Potential DPH Available Water Guidance for MMADD (mgd)

Community Water System	2023 Deficit in Available Water to Meet ADD	2030 Deficit in Available Water to Meet ADD	2060 Deficit in Available Water to Meet ADD	2023 Deficit in Available Water to Meet MMADD with Guidance	2030 Deficit in Available Water to Meet MMADD with Guidance	2060 Deficit in Available Water to Meet MMADD with Guidance	Potential Available Water Need 2023	Potential Available Water Need 2030	Potential Available Water Need 2060	Total Available Water Needed to Meet MOS 1.15 in 2023	Total Available Water Needed to Meet MOS 1.15 in 2030	Total Available Water Needed to Meet MOS 1.15 in 2060	Total New Sources Needed to Meet MOS 1.15 in 2023	Total New Sources Needed to Meet MOS 1.15 in 2030	Total New Sources Needed to Meet MOS 1.15 in 2060
Aquarion Water Company - Birchwood Estates	0.006	0.006	0.006	0.007	0.007	0.007	0.007	0.007	0.007	0.019	0.019	0.019	0.009	0.009	0.009
Cedar Ridge Apartments	0.005	0.003	0.002	0.006	0.004	0.003	0.006	0.004	0.003	0.027	0.025	0.023	0.009	0.008	0.006
CTWC - Northern Reg-Stafford System	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CTWC - Shoreline Region-Sound View	-	-	-	-	-	0.006	-	-	0.006	-	-	0.193	-	-	0.031
CTWC - Unionville System	-	-	-	-	-	0.116	-	-	0.116	-	-	3.762	-	-	0.607
East Hampton WPCA - Village Center	-	0.168	0.348	-	0.218	0.453	-	0.218	0.453	-	1.081	1.351	-	0.359	0.629
Metropolitan District Commission	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Southington Water Department	-	-	-	-	-	0.370	-	-	0.370	-	-	8.476	-	-	1.476
Tolland Water Department	-	-	-	-	-	0.076	-	-	0.076	-	-	0.438	-	-	0.133
Woodhaven Apartments	0.005	0.004	0.002	0.007	0.005	0.002	0.007	0.005	0.002	0.043	0.040	0.037	0.013	0.010	0.007
TOTAL	**0.016**	**0.180**	**0.358**	**0.020**	**0.233**	**1.033**	**0.020**	**0.233**	**1.033**	**0.089**	**1.165**	**14.299**	**0.031**	**0.385**	**2.898**

MMADD for small CWSs based on current reported data or estimated using peaking factor of 1.3.
Deficits to meet ADD from Appended Tables 2, 3, and 4 except where adjusted by Table 3-11c.
Deficits to meet MMADD from Table 3-9c except where adjusted by Table 3-11c.
Potential available water need is the higher of the ADD or MMADD deficit for that planning horizon.
Total available water need accounts for reduction in available water due to streamflow releases.
Total new sources reflects the volume of supply needed above the available water for that planning horizon.
Surpluses and deficits initially shown at a MOS of 1.0 (i.e., no additional water set aside), and then upscaled to MOS of 1.15 for each planning horizon.

Table 3-13 summarizes the projected water need in the region based on projections developed under each of the three scenarios.

TABLE 3-13
Summary of Projected Water Need to Meet MMADD with a MOS of 1.15 (mgd)

Scenario	5-Year Planning Horizon (2023)	20-Year Planning Horizon (2030)	50-Year Planning Horizon (2060)
Basic Projections	0.631	1.386	20.532
With Passive Water Conservation	0.563	0.962	3.530
With Passive Water Conservation and Available Water Guidance	0.031	0.385	2.898

The following potential solutions are recommended for meeting projected water needs in each CWS projecting a deficit:

- AWC – Birchwood Estates (Marlborough): Develop new sources of supply, or interconnect with Town of Marlborough system and/or Hillside Corporation system;
- Cedar Ridge Apartments and Woodhaven Apartments (both in Willington): Develop new sources of supply if necessary or interconnect with CWC – Western system;
- CWC – Stafford (Stafford): Consider targeted water conservation and water efficiency measures or pursue consolidation with CWC – Western system;
- CWC – Soundview (Old Lyme): Pursue targeted water conservation and water efficiency measures, consolidate with CWC - Point O' Woods system in the intermediate term, and consolidate with CWC – Guilford system over the long-term;
- CWC – Unionville (Farmington): Pursue targeted water conservation and water efficiency measures, consolidate with CWC – Collinsville system, or secure additional supply via interconnections;
- East Hampton WPCA (East Hampton): Work with Portland Water Department and MDC to develop new sources of supply for future municipal system;
- Southington Water Department (Southington): Pursue targeted water conservation and water efficiency measures, interconnect with adjacent utilities for additional supply;
- Tolland Water Department (Tolland): Pursue targeted water conservation and water efficiency measures, activate interconnection with CWC – Western system, or develop additional supply source

It is possible that the volume of new water projected to be needed to meet MMADD through 2060 could be found and developed for use. Nonetheless, it is not certain whether diversion permits can be obtained for all new supply sources, so targeted water conservation and water efficiency efforts should first be considered by CWC (in certain systems), Southington Water Department, and Tolland Water Department to further lower projected demands based on the guidance in Section 2.2. Such programs

could include development of rate structures that encourage conservation initiatives. Note that AWC has already completed water conservation studies for each of its systems as discussed in Section 2.2. Following Section 4.0 which discusses challenges specific to small systems, Section 5.0 and Section 7.0 of this document present an analysis of future potential interconnections and supply sources in the region to address these water needs.

4.0 SATELLITE MANAGEMENT AND SMALL SYSTEM CHALLENGES

4.1 Satellite Management

Satellite management is defined in RCSA Section 25-33h-1(a)(10) as "management of a public water supply system by another public water system". Satellite management is common for small systems that are physically or geographically isolated from surrounding public water systems. Satellite management can be a cost-effective means of operating a small system because it takes advantage of the "economy of scale" factor that larger water suppliers can offer.

The term satellite system, while not defined in the regulations, is generally understood to mean a self-contained public water system that serves a discrete, usually small area that is not interconnected with a larger system or distribution piping network. Satellite systems typically serve a contained population, such as a condominium or apartment complex, a residential subdivision, a mobile home park, or a singular facility, such as a town hall, library, school, or business. Satellite systems may be managed by their owner (in the case of a private development) or a local government (in the case of a public facility), or they may be managed by a separate entity that owns and operates public water systems, such as a water company. It is the latter scenario that is considered satellite management. However, a better description of "satellite management" would be "satellite ownership and operation," as many entities that provide satellite management services operate under contract to an owner and management group.

Table 4-1 lists service providers that currently contract operator services to multiple public water systems that they do not own. This information is statewide and based on the DPH Contract Operator List as of November 2017 and may not be complete. Some of the contract operators also own and operate their own satellite systems. Several entities provide services in the vicinity of their office location while others are willing to perform these services statewide.

TABLE 4-1
Entities Willing to Provide Contract Operation Services to Public Water Systems

Contract Operator	Office Location
Al's Affordable Plumbing	Clinton
Aqua Compliance Specialists	Salem
Aqua Pump	Stafford
Aquarion Water Company	Bridgeport
Connecticut Water Company	Clinton
Eastern Water Solutions	Oxford
Fuss & O'Neill	Manchester
Groton Utilities	Groton
Hazardville Water Company	Enfield
Hungerfords Pump Service	North Haven
Hydro Dynamic Engineering	Southington
Jewett City Water Company	Griswold
JH Barlow Pump and Water Conditioning	Wolcott
John Findorak & Sons	Wilton

TABLE 4-1
Entities Willing to Provide Contract Operation Services to Public Water Systems

Contract Operator	Office Location
LaFramboise Well Drilling & Water Service	Thompson
Northeast Water Solutions	Exeter, RI
Southeastern Connecticut Water Authority	Ledyard
Stavens Brothers	Tolland
SUEZ	Paramus, NJ, et al.
Tomaszek Plumbing and Heating Services	Waterford
Torrington Water Company	Torrington
VRI Environmental Services	Lagrangeville, NY
Water Systems Solutions & Design	Watertown
Water Systems Specialties	Thomaston
Weston & Sampson	Peabody, MA
Whitewater Water & Wastewater Solutions	Charlton, MA

The information presented in Table 4-2 should be used as a resource for those small system providers that are currently providing limited service in remote areas and that wish to contract out their operations. In general, the vast majority of small CWSs and NTNC systems rely on contract operators to provide technical capacity for day-to-day maintenance of public water systems. In an effort to evaluate the future need for satellite contract operations, as well as the ability and willingness of water suppliers to provide such services, the ESA providers in the region were queried. Results are presented in Table 4-2.

TABLE 4-2
Satellite Management Needs and Opportunities of ESA Providers

ESA Holder	Intend to Operate Their Own Satellite Public Water Systems	Potential Need for Contract Operation by Other Providers	Available to Operate Satellite Water Systems for Others	Satellite Systems Unlikely to Occur in ESA
Avon Water Company	X			
Aquarion Water Company	X		X	
Berlin Water Control Commission	X		X	
Cromwell Fire District				X
Connecticut Water Company	X		X	
East Hampton WPCA		X^		
ESA Unassigned	X			
Hazardville Water Company	X		X	
Kensington Fire District				X
Manchester Water Department				X
Metropolitan District Commission				X
Meriden Water Division				X
Middletown Water Department				X
New Britain Water Department				X
Portland Water Department		X		
SCCRWA	X*			

TABLE 4-2
Satellite Management Needs and Opportunities of ESA Providers

ESA Holder	Intend to Operate Their Own Satellite Public Water Systems	Potential Need for Contract Operation by Other Providers	Available to Operate Satellite Water Systems for Others	Satellite Systems Unlikely to Occur in ESA
Southington Water Department				X
State Agency Existing Service Area				X
Tolland Water Department		X^		
Town of Bolton		X		
Town of Coventry		X		
Town of Durham		X^		
Town of East Haddam		X^		
Town of Lyme		X		
Town of Marlborough		X		
Town of Middlefield		X		
Valley Water Systems				X
Wallingford Water Division				X
Windham Water Works		X*		
Worthington Fire District				X

*Water main extensions preferred over satellite system operation for these utilities.
^Currently has a contract operator for its systems.

In general, the need for new public water systems in the region will be driven by the following conditions:

- Creating public water systems in some village centers may be necessary due to high densities and challenging lot sizes coupled with a desire for nominal economic growth (see also Appendix B.3);
- Creating public water systems in some village centers or neighborhoods may be necessary due to water quality concerns; and
- Developers will continue to approach local governments about new projects ranging from commercial establishments to various types of developments. Many of these will necessitate the development of new public water systems (community or non-community), particularly if local land use regulations push for dense, cluster-style developments to minimize impervious surfaces.

Because some portions of the Central PWSMA are rural, the need for public water service may not be able to be addressed by extension of existing public water systems. However, development of new public water systems must not be taken lightly, especially given the many small systems that are already located in the region and the fact that the creation of new systems is costly. When new public water systems are determined to be necessary, the construction of such systems is

While specific regulations have been developed governing the minimum standards to be met for the creation of new CWSs, regulations have not yet been developed for non-community water systems. The WUCC recommends development of such regulations in order to ensure standardized and consistent development of new non-community water systems across the state.

governed by the CPCN process codified in CGS 16-262m. This process is discussed in detail in Section 3 of *Final Recommended Exclusive Service Areas* (June 2017).

While the development of new small water systems is performed through the CPCN process, the WUCC has an important role in the creation of new water systems. Per RCSA Section 25-33h-1(k)(3), DPH requests that the WUCC recommend the creation of any new water system as opposed to developing a main extension. This process provides the opportunity for the WUCC to review the feasibly of a main extension between the applicant and nearby public water systems. In the future, such reviews should be performed prior to issuing a recommendation for the development of a new public water system.

The potential exists for many non-community systems to be consolidated and operated by an ESA holder. A dedicated source of funding is necessary to allow for the consolidation of such systems, as the cost is unlikely to be borne by a single developer or the individual systems being consolidated.

The WUCC recognizes the challenges of expanding small CWSs and non-community systems under private ownership to provide service to new properties but encourages this to be performed when possible (see Section 6.1 for an example). As a condition of approval, new NTNC and TNC systems constructed since 2007 have been required to consolidate with a CWS once one becomes available. There are presently no regulatory mandates (short of a Consent Order or activation of a takeover proceeding) for ordering older public water systems to consolidate, and such consolidation is often expensive. A dedicated funding source for consolidation of nearby systems would therefore allow for the consolidation of small water systems whose primary business is not the conveyance of public water supply, while developers would be able to reasonably cover the cost of a site-specific water supply evaluation and cost of design as done today.

With the development of ESAs across the Central PWSMA, the mapping developed for the *Final Recommended Exclusive Service Areas* (June 2017) depicts the areas in which ESA holders will be responsible for providing satellite management (ownership and operation) of new CWSs. For a few ESA holders, satellite systems are unlikely to be possible or necessary due to the near saturation of the existing system within the ESA, or due to the lack of buildable area in remaining unserved areas of the ESA.

Numerous local government ESA holders who may perform satellite management have indicated a possible need for contract operation of community and NTNC systems that are located within their ESA. All of these noted local governments currently provide service to limited facilities, such as schools and town halls. Several of these local governments have entered into agreements (some formal, some informal) with other providers for satellite management.

Several of the larger municipal ESA providers (i.e., currently providing service to greater than 1,000 people) have also indicated a possible future need for satellite management. For WWW, this is due to their general desire to connect new customers to their existing system and not own and operate satellite systems. WWW has expressed a desire to modify its ESA in the future, if necessary, to allow another utility interested in satellite ownership to own and operate a new satellite system.

4.2 Small System Challenges and Viability

Many of the public water systems in the Central PWSMA are small systems. Operational requirements such as regulatory permitting, technical assessment, system maintenance, infrastructure replacement, and water supply need require a disproportionate amount of time and money compared to the operation of a larger system. Furthermore, many of these small systems are associated with developments where the water system was designed as an accessory and not the primary component. For some systems, this has resulted in limited understanding of the technical, managerial, and financial needs of those public water systems.

Many small systems rely on components that are beyond their useful service life. However, planning to acquire loans from the Drinking Water State Revolving Fund (DWSRF) must be done in advance, whereas during emergencies small systems need access to capital immediately and typically need to secure traditional bank funding. Additionally, the current DWSRF program administered by DPH has been identified by many utilities as being burdensome and time consuming, particularly for small system owners who may not have the staff and time to complete the forms, address DPH questions, etc.

In particular, the lack of proper planning and/or asset management planning for many small CWSs (particularly a lack of knowledge regarding the full cost of providing a safe and reliable supply of drinking water) has resulted in systems with limited financial capacity to address public health code issues and deficiencies.

Lack of customer meters is another problem in small water systems. When individual customers do not know or understand their water consumption figures or the costs required to receive drinking water, the situation impedes the ability to recover true costs and discourages water conservation. Metering can be a physical challenge if apartments and condominiums are not arranged in a manner that facilitates meter installation.

Townsley Report

The Townsley Consulting Group, LLC prepared *A Review of Financial and System Viability of Connecticut's Small Community Water Systems Prepared for the State of Connecticut Public Utilities Regulatory Authority* (March 2014). The report was commissioned by Public Utilities Regulatory Authority (PURA) in response to Section 47 of Public Act 13-298. Townsley surveyed 348 small CWSs (serving less than 1,000 people) regarding technical and financial information with a response rate of about 30% (a little over 100 systems responded). In addition, Townsley randomly selected 65 CWSs to evaluate their sanitary survey reports. Finally, Townsley also discussed the acquisition process with major investor-owned water utilities.

The Townsley study concluded that the biggest costs for small utilities were regulatory compliance (including water quality sampling) and preventative maintenance. A small number of systems appeared to be in poor condition and needing significant capital investment. Approximately one-fifth of the systems were not currently collecting or obtaining sufficient revenues to meet daily operational needs, and approximately half were not able to escrow funds for future maintenance needs and emergencies. Overall, approximately 40% of the systems were operating "day-to-day" financially. A slight majority of respondents (56%) indicated that they would not be interested in being taken over by another utility. The study noted that increasing regulatory requirements may pose a risk to the continued financial

viability of some small systems. This integrated report has gleaned and adapted the following four recommendations from the findings of the Townsley report:

- Recommended developing a grant or loan funding mechanism specific to meeting small system needs (including streamlined forms);
- Recommended that PURA and DPH streamline the regulatory process for uncontested water system acquisitions, such as removing the need for the acquiring utility to essentially "re-permit" the system following acquisition. Use of a single, joint application to CT DPH and PURA was recommended, with the ability to waive unnecessary hearings, a less burdensome process for resolving disputes, and without a separate permitting effort;
- Recommended that PURA consider implementing an initial rate setting policy for new CWS requiring regulatory oversight to help ensure that the initial established rates are cost-based (to cover expenses and reserve fund); and
- Recommended identifying CWSs that would have high future capital requirements or other issues that would affect the ability to provide water service. One method was to improve the triennial inspection (sanitary survey) to include data collection on the status of infrastructure, future capital needs, and financial viability. To this end, the study recommended asset management legislation be reintroduced to provide a framework for small system viability.

Regarding the first recommendation, DPH appears to prefer continued utilization of the DWSRF to meet small system needs. This is discussed in Section 11. To date, the status of action on the second recommendation above is not known. Regarding the third recommendation, it is largely no longer germane as ESAs have been assigned throughout the state with ESA holders who will establish rates. Finally, the last recommendation developed into the Capacity Assessment Tool (CAT) now used by DPH to determine the technical, managerial, and financial viability of small water systems, and legislation[12] has been introduced regarding asset management for small systems.

The DPH activated a dedicated Sanitary Survey webpage in March 2018 to help small systems prepare for its sanitary survey. In addition, DPH is now requiring a capacity assessment questionnaire to be answered to provide additional information regarding managerial and financial capacity to inform the CAT. Finally, DPH is also requiring submission of ADD, MMADD, and PDD data for the past three calendar years and instantaneous flow rates for each source.

Limited information is available regarding the viability of small water systems. The CAT is a good method for understanding the status of such systems. Continued maintenance and enhancement of the CAT is recommended, which should be updated during each sanitary survey visit and provided to the surveyed water system as part of the sanitary survey report. In this way, each small water system will be made aware of areas for potential improvement. Development of a CAT specifically for non-community water systems, which are typically structured differently from CWSs, is warranted.

The Townsley Report contends that the largest costs for small utilities are regulatory compliance and preventative maintenance. Although the perception of compliance as a major cost may be true in practice for some systems that have deferred maintenance (therefore making maintenance costs artificially low), it is unlikely correct over the long term. If systems were keeping up with maintenance, that would likely be a much higher cost than regulatory compliance. The WUCCs should strive to educate small systems in this matter when possible.

[12] https://www.cga.ct.gov/2017/TOB/h/2017HB-07220-R00-HB.htm

Water Supply Assessment Report

As noted in the WSA report, the large number of small public water systems in the region is not viewed as an issue per se. However, the viability of these systems is an issue of concern, particularly in regions where the density of small systems is noticeable, such as in East Hampton. Additionally, the operation of small water systems immediately adjacent to larger systems can result in a disparity of the cost of water among populations in close proximity, especially when small systems fail to fully fund their water system operations. The cost of interconnecting small systems can be prohibitive or, at the very least, a disincentive. More fully understanding small water system technical, managerial, and financial capacity to provide water supply is of interest. Several sets of challenges are facing the region:

- Eliminating the proliferation of small systems may be possible in communities where larger public water system expansions have occurred, and therefore, these larger systems are now adjacent to small systems. Barriers to connecting small systems to larger systems (thus eliminating the small separate systems) include lack of funding and/or desire to make the investment, lack of interest from the small system, potential changes in water quality, inconsistencies between the design and technical standards of the small system and the acquiring utility, and potential changes in pressure. For the most part, these types of barriers should be feasible to transcend provided funding is available.

- Reducing the number of small systems may be possible in some communities where options are limited. For example, the Town of Marlborough has recently constructed a consolidated water system to replace the disparate non-community systems in its downtown area.

- Potential acquisitions of water systems may be of interest to system owners that are not in the business of providing water. For example, numerous small water systems are in operation that serve apartment complexes and mobile home parks. Some private boarding schools also exist in the region with education as their chief objective, and they may not be interested in water system management.

- Potential acquisitions of water systems may be of interest to owners that are currently experiencing significant technical, managerial, and capacity challenges. These systems, particularly the numerous non-community systems, could benefit from different ownership.

In general, small systems considered to have high technical, managerial, and financial capacity are considered to be viable while systems lacking capacity in one or more areas may not be viable. The DPH piloted the CAT in 2015 as a method for tracking the viability of small CWSs. For those systems found to be lacking capacity in one or more areas, conducting system improvements, interconnecting with another utility, consolidating with another utility, or becoming a satellite system of another utility are potential general options to improve capacity.

In some cases, the customers of a small community system with limited managerial or financial capacity to perform asset management and capital improvement planning may be better served by selling the water system to another utility (such as the surrounding ESA holder) who has been found to be capable of providing adequate technical, managerial, and financial oversight. In such a case, the customers would continue to rely on existing water system sources and infrastructure but would benefit from the

technical and maintenance support of a more administratively sound utility. Such satellite ownership and operation is presented as Option B in Section 4.3 below.

Interconnections in the region are discussed in more detail in Section 5.0. Interconnections are sometimes associated with system consolidation, but they are different concepts. An interconnection allows for flow of water in either one or both directions, sometimes during emergencies or seasonal shortages and sometimes to provide a sustained source of supply from one system to another. While water is shared between two systems, the management of each individual system continues to be performed by each respective utility. Interconnections are presented as Option C in Section 4.3 below.

Alternatively, consolidation serves to merge two separate systems to operate as one, physically and administratively. The system being consolidated ceases to exist as a separate water system, and any existing sources of supply and other water system infrastructure are reassigned to the utility and system performing the consolidation. This option is presented as Option D in Section 4.3 below. One challenge related to consolidation is the need to either abandon or obtain diversion permits for the sources of supply for the small system being consolidated. Abandonment is typically pursued when the small system supplies are not considered cost effective to operate.

4.3 Recommended Actions for Small Community Water Systems

As of December 2017, a total of 57 small CWSs in the central region were coded as "yellow" relative to the CAT score system and seven are "red". These numbers do not include satellite CWSs owned by larger water utilities (those that prepare WSPs such as AWC and CWC). These 64 systems (out of 129 total) were further evaluated to determine appropriate actions that can be taken to make them more sustainable and resilient. This evaluation was undertaken in partnership with the Drinking Water System Vulnerability Assessment and Resiliency planning process conducted by CIRCA and UConn in 2017 and 2018. Factors considered in the evaluation include the following:

- CAT score;
- Whether the CWS is within 1,000 feet of another CWS (this information was provided in the WSA report);
- Actual distance to another CWS; and
- Limitations related to sources, storage, or pumping. For example, some CWSs have only one source of supply (one well), and most lack atmospheric storage. Some have insufficient hydropneumatic storage, only bladder storage, or lack any storage whatsoever.

The WUCC believes it is inappropriate to assign single actions to individual small CWSs. Instead, a toolbox of options has been developed and each small CWS has been placed into a bin with several tools available for achieving improved resilience. The following tools were identified:

A. Conduct internal improvements and remain a small, independently owned CWS;
B. Pursue acquisition by a larger CWS and remain a satellite system owned and operated by the larger CWS;
C. Interconnection with a larger or more viable CWS; and
D. Interconnection and eventual consolidation with a larger or more viable CWS.

To ensure that each CWS has at least two tools, six bins were utilized. It is important to recognize that option A is always available as a tool for a small CWS. In addition, interconnection or consolidation of

more than one system in an area may be geographically feasible depending on the location of the project and should be considered as part of any project pursued under option C or option D above. Systems were placed into bins as follows:

1. A and B: 20 CWSs. These systems are typically too distant for an interconnection or consolidation to be a viable option. There are many examples in the region.
2. A and C: zero CWSs. Examples can be found in other regions.
3. A and D: zero CWSs. Examples can be found in other regions.
4. A, B and C: five CWSs. These systems may be sufficiently close to another system that interconnection is feasible, as is acquisition by a larger system. Examples are Lyme Regis and Boxwood Condominiums in Old Lyme which could interconnect with one another but likely would not consolidate, with an alternative option to be acquired by the ESA holder present in Old Lyme (CWC) and operated as satellites.
5. A, B and D: 14 CWSs. These systems are in areas where acquisition and operation of satellites is common, but eventual consolidation might make sense. Examples include the Whispering Hills development and the Ridgewood Hills Association both of which consist of multiple systems that could consolidate with one another or be acquired.
6. A, C and D: 25 CWSs. These systems are typically within 1,000 feet of another CWS and should therefore focus on becoming interconnected or consolidated.

CWSs coded “green” (high capacity scores) in the CAT were not included in the detailed evaluation described above, as they are believed more sustainable and resilient due to the individual components of their technical, managerial, and financial capabilities. However, some of the green score systems in Connecticut are located in close proximity to existing CWSs and should consider interconnections as a future tool for maintaining viability and increasing resilience. The following CWSs in the central region are applicable:

- Evergreen Trailer Park System #1, Clinton (consolidate all four systems as only System #4 contains atmospheric storage);
- Evergreen Trailer Park System #2, Clinton (consolidate all four systems as only System #4 contains atmospheric storage);
- Evergreen Trailer Park System #3, Clinton (consolidate all four systems as only System #4 contains atmospheric storage);
- Oak Grove Senior Housing, East Haddam (emergency interconnection with nearest system);
- Chatham Acres Elderly Housing, East Hampton (emergency interconnection with nearest system);
- Chatham Apartments, East Hampton (emergency interconnection with nearest system);
- Heritage Cove Condominiums, Essex (emergency interconnection with CWC);
- Meadowbrook Manor, Essex (emergency interconnection with CWC);
- AWC – Birchwood Estates, Marlborough (emergency or active interconnection with Hillside Corporation and/or Town of Marlborough NTNC system);
- Old Indian Trail, Middlefield (emergency interconnection with Middletown-Durham pipeline); and
- Chadwick Homeowners Association, Old Lyme (emergency interconnection with CWC).

The WUCC, in coordination with DPH, should develop a procedure for periodically reviewing the 64 yellow and red score systems in the bins as well as the green score systems that could be interconnected with other systems. The DPH should annually report on the status of such systems and document technical or planning-level assistance provided to any of them. Furthermore, the WUCC

should encourage DPH to regularly update the CAT for small community systems throughout the state and keep ESA holders advised of low-capacity systems within their ESA.

Although DPH and PURA may order a failing water system to be taken over by another utility, this process is relatively rare. It is important to note that unless ordered by the state through a takeover or other process, small systems must voluntarily accept transfer of ownership or consolidation. Therefore, there is no set schedule contemplated by the WUCC for any of the projects identified for these identified systems. Rather, systems are encouraged to evaluate their current situation and consider the general recommendations herein as potential solutions. Finally, regardless of the ESA holder, local municipal leaders should be kept apprised of any takeover process that may be initiated against a public water system in their community.

The WUCC regulations call for identification of public water systems willing to secure satellite management provided by another utility or willing to transfer ownership to another utility. The regulations also call for the development of a water system satellite management program and schedule for its implementation. In lieu of making binding determinations relative to these items in the regulations, the approach outlined above can be used to accomplish the intent of the regulations.

4.4 Emergency Management, Communications, and Voluntary Associations

Local governments are responsible for providing a priority power restoration list to electric utilities. These lists typically include critical local facilities such as the emergency operations center, fire departments, and public works facility; emergency shelters and schools that can be used as shelter; elderly and assisted living facilities; and infrastructure such as water and sewer pumping stations. Small water systems that are not considered critical facilities by local emergency management personnel are often not on that list. For example, a nursing home with its own water system would be on the local critical facility list due to challenges related to sheltering off site vs. sheltering in place, but an apartment building with its own water system would not be because such residents are more likely to have off site options. DPH has been focused on updating nursing home contacts recently, but it may be prudent to develop a secondary list of critical facilities for local governments that is comprised of small CWSs.

Likewise, emergency contact information is a key concern related to small systems. According to DPH, small CWS owners and operators often require several emails and telephone calls to elicit a response. Systems managed by voluntary associations are reportedly particularly difficult to contact because the association contacts can change frequently, and the level of water system managerial capacity can change rapidly. The merging of multiple levels of critical facility contacts and public water supply contacts into one system could help overall communications during and after emergencies.

The Drinking Water System Vulnerability Assessment and Resiliency planning process and report will likely provide recommendations for the above considerations. In the meantime, two provisional recommendations are as follows:

- Develop a list of CWSs to provide to local governments and the electric utilities that will be considered a second tier of critical facilities. When local hazard mitigation plans and emergency operations plans are updated, incorporate these inventories. DPH has already prepared such a list. Similar to the approach for dam emergency action plans, the contact information (person, telephone numbers, and email addresses) should be verified and updated biennially; and

- Augment DPH's list of emergency contacts with the pertinent contact information for the local emergency management director and his/her backup.

A method to phase out volunteer associations from being system owners should be considered in coordination with DPH. This would address limitations that voluntary associations currently face with regard to applying for grants and loans such as the DWSRF. Possible tools to reducing the number of voluntary associations include using the takeover process in the regulations or requiring a different ownership model for small CWSs. One recommendation is the following:

- The WUCCs and DPH should review the small CWS inventory to determine a subset of systems that are run by voluntary associations and reach out to such systems to determine whether technical, managerial, or financial assistance is needed.

5.0 EXISTING AND POTENTIAL INTERCONNECTIONS

An interconnection is any physical, hydraulic connection between two or more public water systems. Interconnections may be temporary or permanent, unidirectional or bidirectional. Interconnections are used for different purposes:

- Emergency interconnections are put in place for anticipated use in the event of an emergency or drought condition such that one public water system is able to provide water to another system for the duration of the emergency.

- Active interconnections are utilized on a periodic or regular basis to supplement flows during unusually high demand peak periods of service or are utilized daily to supply water from one system to another.

When systems are proximal to each other, interconnections present a cost-effective solution to meet periodic or regular water needs, including needs during critical or emergency situations such drought, water quality problems or treatment issues, or during routine maintenance of a supply source or storage tank. Deterrents to interconnections include water quality (blending concerns); capital improvement costs; fire protection considerations; and operational, maintenance, and monitoring requirements.

5.1 Existing Interconnections in the Region

In the Central PWSMA, numerous systems are in place for the daily transfer of water from one system to another. Existing interconnections in the region were previously discussed in Section 2 of the *Final Water Supply Assessment* (December 2016), and general locations and directions of active flow are shown on Appended Figure 1. These are summarized in Table 5-1.

TABLE 5-1
List of Active Interconnections in the Central PWSMA Providing Transfer of Water

Supplier	Receiver	Town	Average-Day Transfer (mgd)	Data Year
Avon Water Company	CWC Collinsville System	Avon	0.057	2016
New Britain Water Department	Berlin Water Control Commission	Berlin	0.667	2016
New Britain Water Department	Kensington Fire District	Berlin*	0.810	2016
Berlin Water Control Commission	Worthington Fire District	Berlin*	0.218	2016
Metropolitan District Commission	New Britain Water Department (Raw Water)	Canton	0.000	2015
Metropolitan District Commission	CWC – Collinsville System	Canton	0.422	2016
Cromwell Fire District Water Department	Berlin Water Control Commission	Cromwell	0.076	2016
CWC – Chester System	Mount Saint John School	Deep River	0.000**	2014
Hazardville Water Company	CWC – Western System	East Windsor	0.002	2016

TABLE 5-1
List of Active Interconnections in the Central PWSMA Providing Transfer of Water

Supplier	Receiver	Town	Average-Day Transfer (mgd)	Data Year
Metropolitan District Commission	CWC – Chimney Hill System	Farmington	0.038	2016
Metropolitan District Commission	CWC – Unionville System	Farmington	0.764	2016
SCCRWA	CWC - Guilford System	Guilford	0.116	2016
Manchester Water Department	CWC – Buckland Road Service Area	Manchester	0.000	2016
Manchester Water Department	CWC – Reservoir Heights	Manchester	0.005	2016
CWC – Western System	University of Connecticut	Mansfield	0.000	2016
New Britain Water Department	Valley Water Systems, Inc.	New Britain*	0.000	2016
Metropolitan District Commission	Berlin Water Control Commission	Newington	0.000	2016
New Britain Water Department	Valley Water Systems, Inc. – North Mountain Road	Plainville	0.001	2016
Metropolitan District Commission	Portland Water Department	Portland	0.447	2016
CWC – Western System	Hazardville Water Company – Rye Hill System	Somers	0.028	2016
CWC – Western System	Tolland Water Department	Tolland	0.050	2016
CWC – Western System	Tolland Water Department – Torry Road	Tolland	0.012	2016
Tolland Water Department	CWC – Riversedge Division	Tolland/ Willington	0.012	2016
Meriden Water Division	Wallingford Water Division – South Broad Street	Wallingford	0.002	2016
Metropolitan District Commission	CWC – Western System	Windsor Locks	0.026	2016

*Multiple interconnections exist between the two utilities.
**Interconnection is only utilized to flush water mains. Demand is negligible on an average-day basis.

Table 5-2 lists the known emergency interconnections in the region. Many of these interconnections are also part of the regionally interconnected water system in central Connecticut, with some of the remainder being interconnections between subsystems of a single small utility.

TABLE 5-2
List of Existing Emergency Interconnections in the Central PWSMA

Supplier	Receiver	Town
Metropolitan District Commission	Avon Water Company (Raw Water)	Avon
Berlin Water Control Commission	Worthington Fire District	Berlin*
Kensington Fire District	Berlin Water Control Commission	Berlin*
Evergreen Trailer Park – System #2	Evergreen Trailer Park – System #1	Clinton
Ridgewood Hills Association, System #1	Ridgewood Hills Association, System #2	Deep River
Ridgewood Hills Association, System #2	Ridgewood Hills Association, System #3	Deep River
Ridgewood Hills Association, System #3	Ridgewood Hills Association, System #4	Deep River

TABLE 5-2
List of Existing Emergency Interconnections in the Central PWSMA

Supplier	Receiver	Town
Town of East Longmeadow, Mass.	CWC – Western System	Enfield
CWC – Unionville System	Valley Water Systems, Inc.	Farmington/ Plainville*
Metropolitan District Commission	New Britain Water Department	Farmington
New Britain Water Department	Valley Water Systems, Inc.	New Britain
Valley Water Systems, Inc.	New Britain Water Department	Plainville
Valley Water Systems, Inc.	Bristol Water Department	Plainville
Valley Water Systems, Inc.	CWC – Unionville System	Plainville*
AWC – Simsbury	Ethel Walker School	Simsbury
Manchester Water Department	CWC – Western System	South Windsor
Metropolitan District Commission	CWC – Western System	South Windsor
Tolland Water Department	Tolland Water Department – Torry Road	Tolland
Willington Ridge Condo – System #2	Willington Ridge Condos – System #1	Willington
Metropolitan District Commission	CWC – Western System	Windsor

*Multiple interconnections exist between the two utilities.

5.2 Interconnection Permitting Requirements

The following permitting requirements apply to interconnections:

5.2.1 Sale of Excess Water Permits

CGS Section 22a-358 requires that whenever any public water system has water reserves in excess of those required to maintain an abundant supply of water to inhabitants of its service area, such system may sell such excess water to any other public water system upon approval from the Commissioner of Public Health. Such approval can be given only after the applicant has clearly established to the satisfaction of the commissioner that such abundant supplies are in existence and will continue to be in existence for 5 years or for such longer period as the applicant seeks permission to sell excess water. Permits are valid for a maximum of 10 years.

Prior to 1985, the sale of excess water was regulated through the Connecticut DEEP. Public Act 85-142 transferred the approval requirement from the Commissioner of DEEP to the Commissioner of Public Health. Table 5-3 presents the active Sale of Excess Water Permits issued by Connecticut DPH as of November 2017.

TABLE 5-3
Sale of Excess Water Permits Issued by DPH

System Supplying Water	System(s) Receiving Water	Type*	Average Daily Permitted Transfer (mgd)	Maximum Month Permitted Transfer (mgd)
Manchester Water Department	CWC – Reservoir Heights	D	0.049	0.049
Tolland Water Department	CWC – Riversedge	D	0.030	0.050
SCCRWA	CWC – Guilford	D	1.000	1.000
Metropolitan District Commission	Portland Water Department	D	1.100	1.100
Meriden Water Division	Wallingford Water Division – South Broad Street	D	0.010	0.010
New Britain Water Department	Valley Water Systems, Inc.	Sup	-	0.200
Hazardville Water Company	CWC – Western System	D	0.040	0.040
Metropolitan District Commission	Berlin Water Control Commission	D	0.500	0.500
Metropolitan District Commission	CWC – Unionville	D	0.650	2.140
Metropolitan District Commission	CWC – Collinsville	D	0.650	1.300
New Britain Water Department	Kensington Fire District	D	0.780	0.780
New Britain Water Department	Berlin Water Control Commission	D	0.800	0.800
Cromwell Fire District	Berlin Water Control Commission	D	0.300	0.300
Avon Water Company	CWC – Collinsville	D	0.650	1.000
SCCRWA	Wallingford Water Division	E	1.000	1.000
Wallingford Water Division	SCCRWA	E	1.000	1.000
Berlin Water Control Commission	Worthington Fire District	D	0.685	1.000
CWC – Western System	University of Connecticut	D	1.500	1.500
SCCRWA	Meriden Water Division	D	1.000	1.000
Middletown Water Department	Town of Durham – Durham Center	D	0.220	0.330
Metropolitan District Commission	New Britain Water Department	D	5.000	5.000
SCCRWA	Southington Water Department	E	1.000	1.000
Southington Water Department	SCCRWA	E	1.000	1.000

*Permit Category includes D = Daily, E = Emergency, and Sup = Supplemental.

A variety of permits are active in the region. Many are for daily use, while some permits authorize special cases (such as the proposed interconnection between Middletown Water Department and the Town of Durham). A few of the permits are for emergency interconnections. While it has been argued by several utilities that Sale of Excess Water permits should not be required for emergency interconnections, and that the permit requirements are considered an impediment to the development of emergency interconnections, the permit application process is straightforward for emergency interconnections as there is no requirement to allocate an increment of available water to the interconnection.

Several WUCC members have expressed concern with CGS 22a-358 as it requires a permit for any sale of water without a reasonable minimum threshold. Even if a utility provides a minimal amount of water to another utility to service one property as a consecutive system, the supplying utility is required to obtain a Sale of Excess Water permit. In some cases, modification of the ESA boundary would be an appropriate way to address this issue. However, for systems not authorized to provide direct service outside of a franchise area, adoption of a minimal threshold allowing for some exemption from this permitting is desired.

Adoption of a minimal threshold (per day or per year) to the Sale of Excess Water permit statute is of interest to some utilities to exempt minimal sales to consecutive water systems.

5.2.2 Diversion Permitting Requirements

While some interconnections have been in place for many decades and were registered in accordance with the Water Diversion Policy Act (CGS 22a-365 through 22a-379) enacted in 1982, some more recently constructed interconnections require a diversion permit from Connecticut DEEP. An individual diversion permit is required for proposed diversions in excess of 50,000 gallons per day (gpd) that have the potential to have more than minimal impacts to the environment, including those involving inter-basin transfers of water.

A general permit is available for transfers of water up to 1.0 mgd which would have minimal environmental impacts. CGS Section 22a-378a allows DEEP to issue a general permit for minor activities including the following:

> *"Transferring water from one distribution system or service area to another distribution system or service area or the installation of the capacity to transfer such water in anticipation of a water supply emergency for public water supply"*

Therefore, general permits are required for transfers of water above 50,000 gpd that Connecticut DEEP deems to cause minimum environmental impacts[13], including emergency interconnections of water distribution systems and some interconnections proposed for active, daily use. Many interconnections with a maximum transfer of less than 1.0 mgd fall into this category, although some interconnections require a more detailed analysis.

According to DEEP, its interconnection permitting considerations include the following in general:

- The overall need for, or ability to provide water from the interconnection based on individual water supply planning;
- The opportunity to increase water supply through decreased unaccounted-for water and/or increased conservation in lieu of the requested transfer; and
- The potential for environmental impacts at the source.

In addition, temporary authorizations may be issued by DEEP when necessary. In the event of a water supply emergency, DEEP has the authority to temporarily issue a permit for diversion of water for a

[13] For example, DEEP indicates that the General Permit for Diversion of Water for Cosumptive Use uses 5% of the 99% durational flow (approximately the 7Q10 flow) as a cutoff for minimal environmental effect.

period of up to 30 days, which can be extended for one additional 30-day period (CGS Section 22a-378). Extensions may be granted beyond the second 30-day period.

5.2.3 Interconnection Agreement Requirements

Interconnection agreements between utilities range from informal (in some cases based on a verbal agreement) to legal documents. There are no set criteria with respect to the terms and conditions of interconnections; however, most sound agreements include the following elements:

- Term of agreement;
- Location and type of water (raw or finished);
- Apportionment of cost of design and construction of the interconnection;
- Apportionment of maintenance costs, testing, flushing, etc.;
- Quantity of water to be taken under a variety of conditions;
- Time of day or time of year restrictions;
- Metering devices required;
- Price of water and mechanism for future price adjustments;
- Frequency of payment;
- Minimum purchases or standby charges;
- Pressure range of water at point of transfer;
- Factors mitigating the contract; and
- Notice required to terminate.

Interconnections for sale of water must be considered as a commitment against the supplier's available water for as long as the agreement exists. Interconnections for purchased water may be included as part of the receiving system's available water provided that reliable delivery is assured by contract. In addition, CGS 22a-358 requires that the receiving utility agree to restrict water usage in the same manner as the supplier when necessary in accordance with the emergency contingency provisions of the supplier's WSP.

The following guidelines have been developed for the use and maintenance of interconnections:

1. Conduct hydraulic analysis of the two systems to determine pipe size that is adequate to transmit the water required at a predetermined differential pressure.

2. Equip the interconnection with a meter that is sized to properly measure the anticipated flow and that has isolating valves.

3. Provide a flexible coupling to permit removal of the pipes or meter if required.

4. Provide a bypass for emergency use to allow the interconnection to be used at times when the meter is out of service.

5. Provide taps on each side of the meter isolating valves to check pressures prior to use and to empty pipes for dismantling for meter service and calibration.

6. Provide nearby hydrants for use in water sampling, flushing, and flow measurement.

7. Provide a meter pit, if possible, with manhole covers capable of being easily opened for purposes of meter reading, valve adjustment, and flushing.

5.3 Potential Interconnections to Address Supply Deficits in the Region

Inter- and intra-regional interconnections must be considered as a potential means of supplying water. They may be less expensive than developing additional sources such as new groundwater supplies. Interconnections can also provide supply to areas where source development is not feasible.

The regulatory and participatory process involved in creating regional interconnections can be costly and time consuming. While some interconnections can be constructed with relatively short lengths of piping, many require installation of a mile or more of water main at considerable cost. One large end user may provide the majority or all of the funding, but often outside funding is necessary to facilitate an interconnection project.

Some interconnections also require the cooperation of numerous municipal and private entities for project success. There are currently no mandates for systems to interconnect or for systems to act as a vehicle for pass-through transmission of water. A lack of cooperation by one or more entities could necessitate the installation of parallel transmission piping (where mains owned by separate utilities lay side-by-side), which is contrary to the goals of the ESA delineation process per RCSA 25-33h-1(d)(B)(i)(cc). Therefore, regional WUCC meetings will continue to be a forum to discuss regional needs and come to agreements on how certain areas may be served.

Water quality is a concern when interconnections result in the blending of water from two or more systems. When the character of drinking water changes, even slightly, consumers may become dissatisfied. Additional concerns arise for certain specialized uses, such as industrial process water. Systems proposing an interconnection for active daily use are encouraged to evaluate the potential water quality that may result following any such connection as part of their feasibility study; such result will be specific to the water quality in each system.

As discussed in Section 3.5 through Section 3.7, certain systems in the region are projecting a deficit of available water to meet ADD and MMADD in future years. Potential interconnections to address these needs are presented in the following subsections.

In general, the construction of additional raw water interconnections is not prudent in the Central PWSMA as the utilities projecting deficits are located more proximal to treated water supplies. The potential use of new surface water supplies that could be transferred through the regionally interconnected water system is considered in Section 7.0.

5.3.1 Potential Interconnections to Meet ADD and MMADD through the 5- & 20-Year Planning Periods

As shown in Tables 3-12b and 3-12c, four systems are projecting deficits in the 5-year and 20-year planning horizon that potentially need to secure additional supply via one or more interconnections, with a fifth (the proposed municipal system in East Hampton) also needing additional supply in the 20-year planning horizon. One of the systems is part of the regionally connected water systems in central Connecticut.

Based on the information in Table 3-9b and Table 3-11b (projected demands after accounting for passive water conservation benefits), Table 5-4 presents projected surpluses in excess of 1.0 mgd to meet MMADD for systems in the region through 2030.

TABLE 5-4
Systems with Surplus Available Water Greater than 1.0 mgd through 2030

Large Community Water System	Surplus of Available Water (mgd)	Surplus while Maintaining MOS of 1.15 (mgd)
Avon Water Company	2.048	1.424
Berlin Water Control Commission	1.101	0.794
Cromwell Fire District	4.694	3.667
CWC – Western System	5.803	3.524
CWC – Guilford System	1.306	0.455
Hazardville Water Company	2.613	2.034
Manchester Water Department	1.394	0.287
Meriden Water Division	1.679	0.527
Metropolitan District Commission	10.573	0.516
Middletown Water Department	2.440	1.494
New Britain Water Department	4.565	2.477
SCCRWA	16.242	6.918
University of Connecticut	1.115	0.726
Valley Water Systems	1.839	1.347
Wallingford Water Division	1.326	2.054
Windham Water works	1.027	0.392

Based on Table 5-4, Avon Water Company, Cromwell Fire District, CWC – Western system, Hazardville Water Company, Middletown Water Department, New Britain Water Department, SCCRWA, Valley Water Systems, and Wallingford Water Division each appear to have potentially regionally-significant supply surpluses through 2030. The five systems projecting deficits of supply in 2030 include the AWC – Birchwood Estates system in Marlborough, the Cedar Ridge Apartments system in Willington, the CWC – Unionville system in Farmington, the proposed East Hampton WPCA municipal system, and Woodhaven Apartments in Willington.

AWC has identified interconnecting its Birchwood Estates system with the Town of Marlborough municipal NTNC system as a potential method to secure additional supply. AWC should continue to evaluate this potential supply option in coordination with the Town of Marlborough and DPH, and potentially with Hillside Corporation (a small CWS) also.

Several small CWSs in Willington and Mansfield have approached CWC regarding connections to the regional pipeline in Mansfield to replace their low-yielding bedrock supplies, and Cedar Ridge Apartments (Willington) and Woodhaven Apartments (Willington) are relatively proximal to the regional pipeline. As discussed in Section 4.2, interconnections or consolidations of these small bedrock systems where providing water supply is not the primary business of the owner would be beneficial.

The Avon Water Company appears to have sufficient surplus supply to meet the CWC – Unionville system deficit through 2030. As the Avon Water Company already has an active interconnection with the CWC – Collinsville system, consolidation of the CWC – Collinsville and CWC – Unionville systems

would provide additional redundancy to the combined system and allow for deficits to be met in Unionville. Additional supply for the CWC – Unionville system could also come from MDC although MDC would only have sufficient surplus supply under MMADD conditions with adoption of guidance for calculation of available water for MMADD (Table 3-15c).

Finally, the proposed water system in East Hampton has been envisioned for nearly two decades to alleviate water quality and water quantity issues in several areas of town, with a detailed analysis of the potential system conducted in East Hampton's 2004 WSP. East Hampton presently has a source of supply (the Oakum Dock Wellfield) in Cobalt Landing that has received a diversion permit from DEEP but is not connected to any of its water systems. The projections used herein include available water from the Oakum Dock Wellfield for the 2030 and 2060 projections.

Previous analyses have evaluated a variety of options for meeting the 0.36 mgd of new water need in East Hampton through 2030 and 0.63 mgd of new water need through 2060. In general, insufficient supply appears to be available from construction of additional groundwater sources in East Hampton to service the system without causing adverse impacts to the environment. A study conducted by Tighe & Bond for the East Hampton Water Development Task Force in late 2017 considered the potential for consolidating supplies from several systems in the downtown area. The study generally concluded that insufficient supply was available in the immediate downtown area and that the potential for interconnecting with the MDC via Portland should be further evaluated.

The estimated cost to construct the municipal water system originally envisioned in East Hampton's 2004 WSP is approximately $80 million in today's dollars per the recent Tighe & Bond study, which includes construction of a water treatment plant at Cobalt Landing and connection of the Oakum Dock Wellfield into the consolidated municipal system. An additional 15,000 feet or more of water main would be necessary to interconnect to the Portland Water Department on Collins Hill Road, or more distance may be necessary if the existing water main on Collins Hill Road is not of sufficient size to transmit the necessary supply.

An additional consideration is the water quality of the water purchased through an interconnection with MDC. The potential for disinfection byproducts in the water due to the distance involved suggests that other sources of supply that could be developed closer to East Hampton may be more appropriate. Additional consideration should be given to collaborating with the Portland Water Department regarding the following:

- The Portland Water Department maintains a reservoir as an emergency source of supply. The Portland Reservoir has a reported safe yield of 0.7 mgd but lacks a filtration and treatment plant. The East Hampton WPCA may wish to consider the possibility of partially or fully funding the required plant to obtain its required supply from a more proximal surface water source.

- The Portland Water Department previously identified the potential for a wellfield along the Connecticut River, which could yield up to 1.15 mgd (as previously permitted by DEEP). The East Hampton WPCA may wish to consider the possibility of partially or fully funding wellfield development to obtain its required supply from a groundwater source.

- The MDC has identified the development of a wellfield along the Connecticut River in South Glastonbury as a potential supply source. The East Hampton WPCA may wish to consider the possibility of partially or fully funding wellfield development to obtain its required supply from a

groundwater source, which could then be transferred through the Portland Water Department system.

- Finally, the Cromwell Fire District appears to have a significant amount of additional supply available from its groundwater sources. A river crossing of the Connecticut River would be necessary to access this supply; such an action is achievable as performed in southeastern Connecticut approximately 10 years ago between Ledyard and Montville. The East Hampton WPCA may wish to consider the possibility of partially or fully funding such an interconnection to obtain its required supply from a groundwater source, which could then be transferred through the Portland Water Department system.

It is important to note that water utilities such as CWC – Stafford and MDC do not show deficits relative to ADD, but do show deficits for MMADD conditions if water conservation is *not* assumed. This underscores the need to monitor conditions and periodically check that passive conservation is continuing as customers replace fixtures and generally use less water. Furthermore, it suggests that additional types of conservation such as reduction in outdoor water use should be considered in other water systems than those projecting deficits of supply.

5.3.2 Potential Interconnections to Meet ADD and MMADD through the 50-Year Planning Period

As shown in Table 3-12b and Table 3-12c, eight systems are projecting deficits in the 50-year planning horizons that potentially need to secure additional supply via one or more interconnections. The recommendations for AWC – Birchwood Estates, Cedar Ridge Apartments, CWC – Unionville, East Hampton WPCA, and Woodhaven Apartments are believed to still be applicable for the 50-year planning horizon, so further discussion of those systems is not provided below.

Based on the information in Table 3-9b and Table 3-11b (with projected water conservation benefits but not available water guidance), Table 5-5 presents projected surpluses in excess of 1.0 mgd to meet MMADD for systems in the region through 2060.

TABLE 5-5
Systems with Surplus Available Water Greater than 1.0 mgd through 2060

Large Community Water System	Surplus of Available Water (mgd)	Surplus while Maintaining MOS of 1.15 (mgd)
Avon Water Company	1.581	0.958
Cromwell Fire District	4.216	3.189
CWC – Western System	5.416	3.136
Hazardville Water Company	2.708	2.130
Manchester Water Department	1.627	0.520
Meriden Water Division	1.504	0.352
Middletown Water Department	2.642	1.696
New Britain Water Department	4.479	2.391
SCCRWA	9.510	0.186
Valley Water Systems	1.903	1.411
Wallingford Water Division	1.475	0.540

Additional systems are projected to experience supply deficits in the 50-year planning period. These include the CWC – Soundview system in Old Lyme, Southington Water Department, and Tolland Water

Department. Given the uncertainty of projections over this timeframe, it is possible that these deficits may not be realized or may require additional supply above that envisioned herein. The following are potential options for meeting supply deficits in these systems:

- CWC is planning consolidation of the CWC – Soundview system with the CWC – Point O' Woods system in the 20-year planning period, which would help balance supply and demand in both systems and provide sufficient water to meet the projected deficit. It is possible that the MOS of the combined system will be below 1.15 to meet MMADD. CWC has recognized this deficit in previous WSPs and is also cognizant of the desire of the Town of Old Lyme to see several shoreline systems interconnected and consolidated. CWC has therefore envisioned an extension of the CWC – Guilford system into Old Lyme to provide sufficient supply to meet these needs. As implied in Table 5-5, the CWC – Guilford system will have less than 1.0 mgd of surplus supply to meet needs in Old Lyme, such that development of additional supply sources may be warranted, or additional supply could be sought from SCCRWA to facilitate such extension. However, SCCRWA is not projecting a significant surplus of supply through 2060 while maintaining a MOS of 1.15, such that a change in the available water calculation by DPH or development of new supply sources would be necessary to facilitate this connection. One additional advantage of this regional project is that the Point O' Woods system in Old Lyme is approximately 6,000 feet from the East Lyme system, which is also projecting a long-term deficit of supply. As such, deficits in East Lyme could also be met through coordination with CWC and SCCRWA.

- Southington Water Department is currently projecting a long-term supply deficit of 1.8 mgd. While the use of targeted water conservation and water efficiency measures could reduce this deficit, it may not be sufficient to eliminate the deficit. As Southington Water Department is located very close to nearby utilities (Meriden Water Division, New Britain Water Department, SCCRWA, and Valley Water Systems) with surplus supplies, development of interconnections with any of these utilities may be considered to meet part of or all of the projected long-term need. MDC could also potentially provide an increment of supply via a utility such as New Britain.

- The Tolland Water Department is projecting a modest long-term deficit to meet MMADD of approximately 0.14 mgd. It is possible that water conservation measures and water efficiency programs could mitigate this deficit, but this increment of water could also come from the CWC – Western system as surplus supply is available, and the two systems are already interconnected. Also of note is that CWC is evaluating consolidation of its Stafford system into the Western system and taking the Stafford surface water sources offline. The 2010 *Willimantic River Study*[14] identified the potential for releases from upstream impoundments to augment flows in the Willimantic River, which may be of interest to the operators of downstream wellfields such as Tolland Water Department and the University of Connecticut. If CWC chooses to inactivate its water supply reservoirs in the Willimantic River headwaters, Tolland Water Department may wish to collaborate with CWC and the University of Connecticut to determine if releases to Roaring Brook (which flows to the Willimantic River) could be used to manage instream flows each summer, potentially allowing increased withdrawals to be permitted from its existing wellfield.

It is recognized that regional approaches may be necessary in the future to satisfy demands in the Central PWSMA. Accordingly, evaluation of future supply sources has considered the ability of each potential supply to serve regionally significant needs.

[14] https://envpolicy.uconn.edu/wp-content/uploads/sites/1389/2015/08/Willimantic-River-Study-Final-Report.pdf

5.4 Potential Interconnections Recommended to Increase Resiliency in the Region

Interconnections are a potentially cost-effective way to increase supply resiliency in the region. Many small water systems as well as some large water systems utilize only a single source of supply, be it a reservoir or a wellfield. While multiple wells at a wellfield provide some manner of redundancy for certain events (e.g. pump failure), some events (e.g. contamination or drought) could result in certain systems being left without a source of supply for an extended period. To address this deficiency, this Integrated Report recommends development of certain interconnections to increase system redundancy in the region.

Development of infrastructure to allow for two-way transfer of water between interconnected systems is an important resiliency measure that should be considered for both existing and new interconnections. A dedicated funding source may be necessary to facilitate this resiliency effort.

Although many water systems are interconnected in central and southern Connecticut, there has not been a regional approach towards actively managing the disparate systems as a collective unit for resiliency. Instead, each system transfers water under agreements with its immediate neighbors. The state's most high-profile example of regionally interconnected water systems for resiliency (as well as daily supply for some systems) can be found in southeastern Connecticut. After the completion of the former Southeastern Connecticut WUCC process in 2001, the former Southeastern WUCC continued to meet along with a Southeastern Connecticut Council of Governments (SCCOG) Regional Water Committee to discuss regional issues. As one of the main goals of the previous planning effort was to develop a regionally interconnected water system in the southern portion of that region, a significant effort was made to develop critical components for such a system including the Thames Basin Regional Interconnection in 2008 under the Thames River.

Development and permitting of an Intra-Regional Water Supply Response Plan should be considered by the interconnected utilities in central Connecticut to more efficiently manage response to short-term emergencies and planned maintenance events.

Today, the regionally interconnected water system includes 11 utilities from East Lyme to Stonington and north to Norwich. An Intra-Regional Water Supply Response Plan was developed for the regionally interconnected water system and permitted by the Connecticut DEEP. This permit authorizes short-term transfers of water by parties connected to the regionally interconnected water system up to a maximum of 1.0 mgd for 7 consecutive days provided that any permits or registration limits for any of the regionally interconnected sources or intersections are not exceeded. The permit provides flexibility to the parties involved by allowing for a faster response in an emergency, as well as allowing utilities to plan for temporary shutdowns of critical system components (such as for storage tank cleaning) without requiring a temporary authorization from DEEP. This type of "standby" interconnection may be of interest to regionally-interconnected utilities in the Western PWSMA as noted below.

5.4.1 Interconnections Recommended to Increase Source Resiliency for Large Systems

Certain large systems in the region maintain a single source of supply such as a reservoir or wellfield without an emergency source of supply. These systems include the following:

- Connecticut Valley Hospital, which relies on a single distribution reservoir;

- CWC – Point O Woods, which relies on a single wellfield;
- CWC - Soundview, which relies primarily on a single wellfield; and
- WWW, which draws all of its water from a single reservoir.

Connecticut Valley Hospital relies on a series of reservoirs to provide its active daily supply, with withdrawals occurring from its distribution reservoir. Although it is located proximal to the Middletown Water Department system, the two systems presently do not have an interconnection. According to the Connecticut Valley Hospital 2007 WSP, while water can be transferred from Middletown Water Department via a hydrant-to-hydrant connection during an emergency, installation of a permanent emergency interconnection with Middletown Water Department will be pursued. The WUCC should encourage this effort.

As noted above, consolidation of the CWC – Point O' Woods and CWC – Soundview systems is planned by CWC in the 20-year planning period. This action will provide critical source redundancy for both systems and should be encouraged by the WUCC.

WWW relies on a single reservoir to meet its supply needs and is in need of an emergency interconnection to provide a redundant supply source. Although WWW is located relatively distant from significant nearby large water systems, an interconnection between WWW and the University of Connecticut was evaluated as part of the *Environmental Impact Evaluation: Potential Sources of Water Supply* conducted by the University of Connecticut[15] in 2013. With the recent extension of the CWC – Western system into Mansfield, the possibility exists of an extension of the CWC service area southward to provide critical redundancy to the WWW system. The Route 195 corridor appears to be the likeliest point that such an interconnection could occur with WWW although alternative routing may be desired by the Town of Mansfield to provide service to certain areas along the route. The WUCC should encourage WWW to coordinate with the Town of Mansfield, CWC, and the University of Connecticut regarding the potential for an emergency interconnection although it is recognized that the distance involved (27,000 feet) may result in this being a long-term project.

The following interconnections may also be possible to further strengthen the reliability and resiliency of the regionally interconnected water system:

- Avon Water Company and the AWC – Simsbury system should consider developing a permanent emergency interconnection as these systems are close enough in Simsbury that a hydrant-to-hydrant connection is possible, and this would include AWC – Simsbury into the regionally-interconnected water systems;

- AWC – Simsbury and Salmon Brook District Water Department should consider development of an emergency interconnection in Granby, which would include Salmon Brook District into the regionally interconnected water systems (subject to the above Avon Water Company interconnection being constructed);

- The Berlin Water Control Commission and Meriden Water Division should consider developing an emergency interconnection along Route 5 where each system is proximal, which would further connect Meriden to interconnected systems in the central part of the region;

[15] https://envpolicy.uconn.edu/cepa-reports-and-related-documents-for-water-supply/

- Connecticut Correctional Institute should consider developing an emergency interconnection with the CWC – Western system as these systems are adjacent in Enfield, and this would connect this system to interconnected systems in the central part of the region;

- Cromwell Fire District should consider developing emergency interconnections with MDC as their systems are proximal in multiple locations near the Cromwell/Rocky Hill boundary, and this action would include Cromwell Fire District in the regionally interconnected water systems;

- Hazardville Water Company and the CWC – Western system should consider developing emergency interconnections as these systems are adjacent in Enfield, which would include Hazardville Water Company in the regionally interconnected water systems;

- Manchester Water Department should consider developing emergency interconnections with the CWC – Western system and the MDC, which would include Manchester Water Department in the regionally interconnected water systems;

- Middletown Water Department should consider developing emergency interconnections with the Berlin Water Control Commission and Cromwell Fire District, which would tie this system into the regionally interconnected systems;

- Southington Water Department is presently developing an emergency interconnection with SCCRWA, which would allow water to move north from the interconnected systems in the southern part of the region. Additional interconnections should be encouraged between Southington and Bristol Water Department, Valley Water Systems, and New Britain Water Department, which would interconnect the central group and southern group of interconnected systems together; and

- Wallingford Water Division is presently constructing an emergency interconnection with SCCRWA, and additional opportunities to develop an emergency interconnection with Meriden Water Division should be pursued.

Finally, Table 2-8 of the *Final Water Supply Assessment* (December 2016) identified for some systems specific projects envisioned to increase resiliency of that specific system. Such projects include potential interconnections, installation of redundant water mains within distribution systems, and other improvements that may increase resiliency. The WUCC recommends that each system continue to identify and implement projects that may increase resiliency in individual systems even if such projects would not meet a regional need.

5.4.2 Interconnections Recommended to Increase Source Resiliency for Small Systems

Many of the smaller community public water systems in the region operate with a single source of supply, with no backup supply. This leaves these systems vulnerable to interrupted service due to equipment failures, contamination, and the like. Interconnections of systems that have water quality or other operational problems and those that rely on a single source of supply should be given a high priority with respect to interconnections. Additionally, those very small systems with administrative shortcomings should also be considered for interconnection or consolidation with adjacent utilities.

The analysis in Section 4.3 identifies interconnections and consolidation as one of many potential solutions for a number of small CWSs in the region. For small community systems with a high capacity, several systems are recommended to develop an interconnection for resiliency purposes. It is recommended that large systems identify small systems in the vicinity of any system expansions or interconnection projects and approach small systems about potential interconnections and consolidations as part of such projects.

6.0 JOINT USE, MANAGEMENT, OR OWNERSHIP OF SERVICES, EQUIPMENT, AND FACILITIES

Joint use or ownership of facilities, equipment, and/or services is envisioned to provide savings in capital and operational costs, result in maintenance reduction, and improve both reliability and efficiency of system operation for those systems engaged in such arrangements. Smaller systems may benefit from paying a proportionate share of such facilities, equipment, or services in lieu of carrying the sole financial burden. Larger systems may more fully utilize existing equipment and/or expertise by broadening the scope of their operations.

6.1 Existing and Planned Shared or Joint Use Facilities

Joint ownership of major infrastructure such as supply sources, storage, treatment, or water mains is not widely practiced in the region. Instead, joint use agreements in effect in the region commonly involve a division of ownership of the resources involved. For example, the most common joint use in the region is the arrangement where one public water system sells water to a neighboring system through an interconnection, as discussed in Section 5.0, and where the systems do not share in the development, ownership, operation, or maintenance of the sources of supply that feed the system, and each entity is responsible for its own water mains, storage tanks, and pumping stations within its respective service area. An exception to this arrangement is the SCCRWA-CWC agreement, which includes a capacity buy-in by CWC of SCCRWA's treatment facility.

In the Eastern PWSMA, Groton Utilities has indicated an interest in developing new supply sources for regional use in conjunction with other utilities. Some utilities, such as Montville WPCA, have indicated in their WSPs that they are in favor of working with Groton Utilities in this manner. A parallel example in the Central PWSMA may be East Hampton WPCA, which has identified the potential need to cooperate with other utilities to meet projected deficits. To date, there are no concrete plans between water utilities in the region toward a cooperative approach for developing new sources, nor is it apparent that such approach is needed given the overall low need for new sources of groundwater or surface water supply. However, water utilities in the Central PWSMA should collaborate to construct new interconnections and equip existing interconnections with appropriate pumping, pressure reducing, and metering facilities.

While there are no examples of joint uses between small community systems in the Central PWSMA, one unique example of a joint use between small community systems that occurs in the Western PWSMA is worth mentioning. The AWC – Clearview system in Wolcott receives all of its water from Countryside Apartments. However, the apartment complex does not specifically meter the connection to bill for the interconnected use. Instead, AWC and Countryside Apartments have come to an agreement where AWC pays approximately 42% of all maintenance and capital improvement costs for the shared components of the water system, and Countryside Apartments provides water to AWC as needed to meet the needs of the Clearview system. AWC sells water to its customers to cover its costs. A variety of assurances and procedures are built into the governing agreements. In this way, AWC has ensured a guaranteed and reliable supply of water and ensured that asset management and capital improvement planning are being conducted. This type of arrangement may be feasible between certain

small CWSs in the region, particularly those systems discussed in Section 4.0 where the distance between systems is such that interconnections may be feasible.

In summary, given the forecast deficit in water supply sources in certain areas of the Central PWSMA such as East Hampton, there is a potential for future shared ownership and use of supplies beyond routine interconnections. This type of shared use would require formal agreements among the stakeholders. For example, the projected deficits in the regionally interconnected water system could potentially be met by water from a jointly-owned future supply source where the parties needing water pool resources to develop and harness a new supply source.

6.2 Existing and Planned Joint Use of Services

Some systems contract out operations of their entire system under a satellite operations agreement. These are described in Section 4.1 of this document. Several of the larger water providers, namely AWC and CWC, provide services to smaller systems, including leak detection, meter reading, and emergency repair services. When multiple small water systems are located proximal to each other, it may be to their benefit to band together to solicit contract operation services, particularly for common tasks such as water quality testing, asset management, and maintenance responsibilities.

In some cases, it may be beneficial for certain systems, particularly small community systems, to request the services of a larger utility to perform certain intermittent functions, and DPH encourages utilities to offer such services for a reasonable fee. In particular, the CAT results have found that many systems could use assistance in conducting asset management, something that many larger systems have experience with for their smaller satellite systems. Alternatively, small community systems may wish to look to nonprofit organizations such as RCAP Solutions or the ASRWWA for assistance with asset management, capital improvement planning, and the like.

6.3 Existing and Planned Joint Use or Ownership of Equipment

Equipment is shared among public water systems in the region largely through informal arrangements and on an as-needed basis. The most common scenario is shared generators and other equipment among neighboring systems during emergency situations. Other equipment, including compressors, piping, fittings, meters, and the like, is informally shared or borrowed on a cooperative basis and among systems with ongoing working relationships or more formally through the CT WARN program. Utilities have noted that the CT WARN program and ASRWWA, in particular, provide expertise and equipment for little or no cost to members beyond the cost of membership.

Specialized equipment and operations are most commonly contracted out. This includes water tankers, excavation equipment, portable generators, pumps, pipes, fittings, leak detection equipment, and the like. However, for some equipment shared ownership may be viable.

Some municipalities in the Central PWSMA participate in the Intertown Capital Equipment Purchase Incentive Program through the Connecticut Office of Policy and Management (OPM). This program allows municipalities to band together to buy equipment that will be shared by all parties. WWW notes that the issue is that some equipment is in very high demand by many parties during some months of the year, limiting its availability. A similar type of system could be beneficial for small CWSs, which may be able to band together to increase their purchasing power by buying in bulk (e.g., treatment

chemicals). Small systems are encouraged to consider this type of joint use with nearby CWSs if their system components are compatible.

7.0 ANALYSIS AND PRIORITIZATION OF POTENTIAL FUTURE WATER SUPPLIES

This section of the Integrated Report identifies potential new sources of water supply for consideration in the Central PWSMA as identified by utilities depicting a deficit in any of the 5-year, 20-year, or 50-year planning periods. This analysis focuses on potential supply sources and infrastructure enhancements that are considered to be regionally significant. This analysis includes, but is not limited to, sources of water and interconnections on the 2017 High Quality Source List promulgated by DPH. Sources of supply being considered by utilities that generate a limited volume of water to be used solely for their own needs are *not* considered to be regionally significant.

For this report, regionally significant supplies may include the following:

- New sources with the potential to produce above 1.0 mgd proximal to systems projecting supply deficits; and
- Infrastructure improvements to enhance safe yield that are associated with sources that already serve regional needs.

In general, this document has been laid out to demonstrate the potential benefits of certain actions to meet water supply needs:

- First, Section 2.2 and Sections 3.5 through 3.7 demonstrate the potential benefits of passive water conservation, with targeted water conservation and water efficiency measures being recommended for each system still showing a significant supply deficit;
- Second, active and emergency interconnections were encouraged in Section 4.0 between small CWSs in the region;
- Third, continued use of emergency interconnections is encouraged to ensure critical redundancy. Existing and planned interconnections in the region were evaluated in Section 5.0 and found to be potentially viable to meet all projected deficits in the region; and
- Finally, joint ownership and management were considered in Section 6.0, which recommended consolidating resources to develop new regional supply sources and interconnections in certain areas if feasible.

This approach attempts to minimize potential impacts and costs of new source development. Should evaluation of the benefit of targeted water conservation and water efficiency measures demonstrate that projected deficits cannot be eliminated or cannot be eliminated even when combined with securing water through an interconnection (or development of an interconnection proves impractical), development of new supply sources will need to be pursued.

For those systems projecting deficits, Table 7-1 summarizes the potential sources of new water supply envisioned by each utility in its most recent WSP and summarized in Chapter 3.0 of the *Final Water Supply Assessment* (December 2016). A variety of potential sources and system modifications is envisioned.

TABLE 7-1
Potential Sources of Supply for Systems Projecting Significant Supply Deficits

Community Water System	Alternative	Potential Supply (mgd)	Regionally Significant?
AWC – Birchwood Estates	Develop new bedrock wells	<0.05	No
CWC – Unionville	Develop groundwater supplies in Farmington River Basin	Unknown	No
East Hampton WPCA	Develop wells in Connecticut River aquifer	Unknown	No
	Develop wells in Pine Brook aquifer	Up to 0.30	No
Southington Water Dept.	Develop wells at Tomasso wellfield	1.00	No
	Utilize Plainville Reservoir to augment river flows	1.00 to 2.00	No

In general, each utility carrying a supply deficit either has not evaluated potential supply sources other than interconnections or is envisioning supplies that would not be considered regionally significant. For example, while Southington Water Department has identified future sources with potential yields of 1.0 mgd or more, this water would only be utilized to meet its own supply deficits and therefore is not regionally significant.

Other utilities in the region are also envisioning potential development of supplies although the system is not presently projecting a supply deficit. Each project that could be regionally significant is summarized in Table 7-2 per the discussions in this document. It is noted that other utilities such as SCCRWA may be able to develop additional supply sources, but such sources are not believed necessary to meet regional needs in the Central PWSMA at this time.

TABLE 7-2
Additional Potential Sources of Supply Which Are Regionally Significant

Community Water System	Alternative	Potential Supply (mgd)
CWC – Guilford	Develop wellfields along Hammonasset River	1.00 to 3.00
Metropolitan District Commission	Develop South Glastonbury wells	3.00
Portland Water Department	Develop wellfield along Connecticut River	1.15
	Construct treatment facility for Portland Reservoir	0.70

7.1 Potential Groundwater Sources to Address Supply Deficits

As noted in Table 7-2, three potential new groundwater supplies that are considered regionally significant have been identified by three utilities. For other areas where site-specific studies have yet to be conducted and the volume of potential supply is unknown (such as certain aquifers in Table 7-1), further study should be conducted by these utilities to quantify the potential yield to determine if these supplies should be developed or preserved through land acquisition for future supply development. Each potentially regionally significant groundwater source is briefly described by utility below:

- CWC has identified the potential to develop wellfields at several locations along the Hammonasset River. The North Weiss, Gustafson, and Paper Mill wellfields each have the potential capacity to add

approximately 1.0 mgd in safe yield to the system subject to diversion permitting, water quality, or other limitations.

- MDC has performed exploratory drilling at a site in South Glastonbury in the Connecticut River aquifer but does not intend to further develop this source until it is necessary for supply. Preliminary analysis suggests a potential supply of 3.0 mgd may be possible subject to diversion permitting. The proximity of this area to Portland suggests that further development of this wellfield may be a feasible way to provide water supply to East Hampton.

- A potential wellfield location along the Connecticut River identified by Portland Water Department may be able to meet the projected deficit for the East Hampton WPCA municipal system. The Strongs Avenue wellfield was previously permitted by DEEP in the 1990s for 1.15 mgd, but the wellfield was ultimately not developed as an interconnection when MDC became the more feasible option for Portland Water Department.

Therefore, the only potentially regionally significant groundwater supply sources presently under consideration in the region lie in the Connecticut River aquifer (basin 4000) and the Hammonasset River aquifer (basin 5106). A brief description of each basin follows.

7.1.1 Connecticut River (Basin 4000)

The Connecticut River sub-regional basin is located within the Connecticut River regional basin and the Connecticut River major basin. The watershed area of the Connecticut River extends through central Connecticut, west-central Massachusetts, Vermont, and New Hampshire. The total drainage basin area is approximately 11,250 square miles to the mouth of the river at Long Island Sound. The river is one of the most significant in Connecticut. Several notable Federal Energy Regulatory Commission (FERC)-licensed hydroelectric dams are located on its tributaries, but none are located along the main stem of the river in Connecticut.

As noted in the *State Water Plan* (January 2018), registered diversion volumes often far exceed actual or even potential withdrawals. The *State Water Plan* attempted to clarify registered usage to determine actual use versus unused portions of registrations in its Basin Water Summaries and identified the following information regarding the Connecticut River regional basin:

- Out-of-stream water needs and reservoir release requirements total 15% of average annual streamflow;
- Out-of-stream and instream water needs total 87% of average annual streamflow;
- July out-of-stream water needs and reservoir release requirements total 81% of July streamflow; and
- July out-of-stream and instream water needs total 153% of July streamflow.

These figures indicate that existing water uses of the river basin are lower than the average annual streamflow but higher than the July streamflow on the Connecticut River.

A site-specific assessment is somewhat more meaningful for comparing wellfield withdrawals to instream flow. The potential yield of 4.15 mgd is equal to 6.42 cfs. This is less than 1% of the 7Q10 discharge (7-day low flow that statistically occurs once every 10 years) of 2,300 cfs published by the

USGS[16] upstream in Suffield. The Connecticut River in the vicinity of Glastonbury and Portland is tidally influenced.

7.1.2 Hammonasset River (Basin 5106)

The Hammonasset River sub-regional basin is located within the South Central Shoreline regional basin and the South Central Coast major basin. The watershed area of the Hammonasset River begins in Durham and Haddam and includes portions of Killingworth, Madison, and Clinton. The total drainage basin area is approximately 48.8 square miles to the mouth of the river at Long Island Sound.

The *State Water Plan* attempted to clarify registered usage to determine actual use versus unused portions of registrations in its Basin Water Summaries and identified the following information regarding the South Central Coast regional basin:

- Out-of-stream water needs and reservoir release requirements total 18% of average annual streamflow;
- Out-of-stream and instream water needs total 96% of average annual streamflow;
- July out-of-stream water needs and reservoir release requirements total 150% of July streamflow; and
- July out-of-stream and instream water needs total 238% of July streamflow.

These figures indicate that existing water uses of the coastal basin are lower than the average annual streamflow but higher than the July streamflow for streams in the basin.

A site-specific assessment is somewhat more meaningful for comparing wellfield withdrawals to instream flow. The potential yield of 3.0 mgd is equal to 4.64 cfs. This is greater than the 99% duration flow of 2.13 cfs (USGS *StreamStats*) along the river to the furthest downstream proposed wellfield. This suggests that it may be challenging to obtain a diversion permit for wellfield development for summertime use.

7.2 Potential Surface Water Sources to Address Supply Deficits

As noted in Table 7-2, reactivation of the Portland Reservoir is a potential option to provide additional supply to the proposed East Hampton WPCA municipal system. This source of supply was previously utilized by the Portland Water Department, has a DEEP registration of 6.19 mgd, and has a safe yield of 0.7 mgd. The reservoir was inactivated in 2000 in favor of interconnecting with MDC due to the cost to design, permit, construct, and operate a treatment facility compliant with changes to the EPA Safe Drinking Water Act. The watershed of this source lies primarily in Portland and partially in Glastonbury and East Hampton, with the majority of the watershed being undeveloped State Forest land. The Portland Reservoir drains to Reservoir Brook, which is tributary to the Connecticut River.

Reactivation of the Portland Reservoir would require releases in accordance with the Streamflow Standards and Regulations. Assuming a 15% reduction in safe yield, 0.595 mgd would be available to East Hampton WPCA from this source, which would be sufficient to meet the projected deficit for ADD and most of the estimated MMADD (assuming a peaking factor of 1.3) although this volume may be sufficient in combination with demand reductions achieved by a targeted water conservation and water

[16] Ahearn, E. A., 2008, Flow durations, low-flow frequencies, and monthly median flows for selected streams in Connecticut through 2005: U.S. Geological Survey Scientific Investigations Report 2007-5270, 33p. ONLINE ONLY

efficiency program. The exact reduction in safe yield would need to be evaluated using the mass balance methodology.

7.3 Potential Groundwater Sources to Address New Small System Water Demands

New small CWSs are likely to be developed in the Central PWSMA within the 5-, 20-, and 50-year planning periods for the reasons cited in the *Final Water Supply Assessment* (December 2016) and Section 2.1 and 2.3 of this report, such as where new contaminants are identified, where local zoning encourages cluster-style developments, and for other reasons. New systems will be developed in areas where ESAs have been established and even potentially in areas that remained unassigned relative to ESAs. These water systems will likely be served by new groundwater supplies that are distant from existing large water systems. For this reason, the list of existing and future sources populated from individual WSPs (developed by water utilities that serve greater than 1,000 people each) is not useful as an indicator of potential sources for new small CWSs. Such systems will be developed under the CPCN process.

7.4 New Supply Development Implementation Strategy

The development of new water supply sources, both regionally and locally, will take considerable planning and analysis. The following is a summary of steps that would need to be taken for each source.

- Secure site access and investigate potential yields through preliminary geologic investigation and/or safe yield modeling.
- Analyze area land use for compatibility with water supply source development.
- Meet with local, state and federal regulators to determine problem areas and assess the feasibility of obtaining permits. Meeting with regulatory agencies early in the source development process is critical to the financial success of the project, as source development testing is extremely costly.
- If a pathway forward to a permit appears possible, secure rights to necessary land through easement, development agreement, or outright purchase.
- Install and develop test wells (for groundwater sources) and/or complete streamflow analysis (for surface water sources) to verify source yields and permit limits.
- Complete analysis of potential environmental impacts. This should include analysis of instream flow rates, wetlands and wetland habitat, waste load allocation requirements, water quality, fish and wildlife habitat, and flood management issues.
- Develop a mitigation plan to offset projected impacts.
- Coordinate with host community(ies) and potentially other utilities.
- Submit applications to DEEP and USACE as required.
- Submit permit applications to local boards and commissions as necessary.

- Finalize land transfers and easements if any are outstanding. Complete detailed land use analysis and develop and implement plan for additional land acquisition in source water areas.

- Establish protective reservoir watershed area or aquifer protection area mapping.

- Implement changes in land use regulations necessary to protect the source.

- Design and construct infrastructure necessary to deliver water to the distribution system, including any treatment and pumping systems, along with necessary water transmission mains and piping.

Permitting plays a critical role in the success of new source development. Meeting with regulators at the local, state and federal levels early in the development process is critical to establishing a successful implementation plan. Each potential source has distinct environmental issues associated with its development. Source developers will need to be aware of these issues before embarking on a program of costly testing and development.

At the state level, source development will require a water diversion permit, and other permits may also be required. A 401 Water Quality Certification will also be required if the project is regulated by the United States Army Corps of Engineers (USACE) or FERC. At the federal level, the USACE regulates the filling or discharge to wetlands and navigable waters. The development or expansion of surface water supplies typically requires USACE involvement.

Water quality analysis will dictate the treatment needs of each source. Surface water supplies will require construction of a treatment system that may include filtration, coagulation and flocculation, clarification, aeration, disinfection, and/or iron and manganese removal. Treatment facilities will generate waste process waters and sludges that must be disposed of offsite.

Groundwater sources typically require less treatment than surface waters. In many cases, the soil matrix provides sufficient filtration to sustain drinking water quality. Iron and manganese are the two most common constituents found in groundwater and may require treatment. Disinfection is often required for groundwater systems as is pH adjustment before distribution.

Downstream users of surface waters and environmental groups can petition for restrictions on water supply development in addition to regulatory restrictions. This is typically performed through intervention in a diversion permit application. The recreational and aesthetic value of a waterbody or watercourse, as well as downstream water usage, must be considered with the development of new water supplies and reactivation of unpermitted inactive water supplies. Local municipal planning staff are a good resource in determining downstream uses and potential conflicts.

While targeted water conservation and water efficiency measures are recommended for each system showing a supply deficit, as noted by the A4WE such measures must be system specific. Therefore, the potential effectiveness of such measures for a particular system cannot be quantified at this time. The consequences of not developing new water supplies in a timely manner in the future include the potential for moratoriums on new connections, limits on economic development, increases in water pricing, and water rationing or allocation among users. Therefore, utilities projecting deficits should, in

general, actively pursue targeted conservation and water efficiency programs while performing the necessary planning for new source development.

Finally, innovative treatment and supply augmentation techniques should be considered in the future. These could include desalination of Class SA surface water or groundwater to artificial recharge, spreading basins, or induced streambed infiltration. It should be noted, however, that development of water supplies in waterbodies that receive waste discharges is not allowed under current statutes and regulations. Conversion of Class B surface water resources to Class A could also result in a potential supply source if point source discharges were eliminated or relocated. The potential cost of such actions may vary widely. For example, the cost to treat water via desalination is typically eight to 16 times more costly than conventional water treatment.

7.5 Recommendations

Development and use of interconnections are expected to play a large role in meeting the needs of the water utilities in the Central PWSMA as will continued reductions in per-capita water demand and targeted water conservation and water efficiency methods. However, activation of inactive or new sources of supply may be necessary in certain areas as reductions in safe yield are realized at certain reservoir systems due to streamflow release requirements.

In the 5-year planning horizon, the only two systems with identified needs are the AWC – Birchwood Estates and the CWC – Unionville systems. Cedar Ridge Apartments and Woodhaven Apartments show a deficit based on estimated demands such that these deficits are unconfirmed. Interconnections are a possible approach to increase available supply for each of these four systems. Clarification of the available water guidance to support the use of supplemental sources for meeting MMADD would eliminate the short-term deficit for the CWC – Unionville system.

The East Hampton WPCA envisions the creation of an expanded municipal water system in the 20-year planning horizon. As local supply sources do not appear to be sufficient to meet projected needs, extension of the system from Cobalt into Portland to secure additional supply is envisioned by the utility. It is noteworthy that the projected demands for the built-out system are more than 10 years old, such that revisiting the demand projections may be warranted. However, if additional supply is still needed after accounting for revised projections and water conservation and water efficiency measures, a variety of options exist to secure additional supply via Portland. It is recommended that East Hampton WPCA collaborate on development of one of three supply sources for transmission through Portland to East Hampton with the Portland Water Department and possibly other utilities.

Several additional utilities (CWC – Soundview, Southington Water Department, and Tolland Water Department) project deficits over the 50-year planning horizon. Following incorporation of targeted water conservation and water efficiency measures, interconnections appear to be the most efficient way to secure additional supplies for these systems. Augmenting surface water flow may also be an option for Southington and Tolland to increase wellfield withdrawals.

Development, reactivation, or modification of other groundwater or surface water sources in the Central PWSMA may occur as needed on a case-by-case basis to address individual utility needs, replace

The WUCC encourages each utility considering sources of supply not deemed regionally significant herein to continue pursuing such supplies independently. Should a potentially regionally significant supply be found, utilities are encouraged to discuss potential use of such source with the WUCC.

aging sources, or support new water demands. However, these are not of regional significance, and recommendations are not necessary at this time. The WUCC should continue to support the needs of its members and foster collaboration among adjacent water utilities if needed.

Source development should begin as early as possible with preliminary source investigation. Potential source locations should be reviewed with local, state, and federal regulatory agencies as early as possible in the development process. Regulators should be involved in the development of plans to assess yields and potential impacts as early as possible. Involvement of regulatory agencies early in the development process will be critical to the successful development of new sources. In addition, a sound land acquisition strategy with available funding will be key to successful implementation of new source development. Finally, the WUCC should be prepared to continue to work with DPH on evaluation of alternative treatment technologies and other methods to address deficits in the event that the above water supply solutions cannot materialize or are not as effective at increasing safe yield as the preliminary analyses have indicated.

8.0 POTENTIAL IMPACT ON OTHER USES OF WATER RESOURCES

Information presented in this section evaluates the potential impact of developing regionally significant future sources identified in Section 5.0 and Section 7.0. The evaluation considers the following criteria:

- Water Quality
- Minimum Streamflow (based on the Streamflow Standards and Regulations)
- Flood Management
- Recreation
- Hydropower
- Natural Diversity Data Base (NDDB) areas of Environmental Concern
- Aquatic Habitat
- Riparian Rights
- Waste Load Allocation
- Resiliency to Climate Change

The review and information provided herein are based on published information only. Detailed review and field analysis of each future source will be required prior to source development and use.

Projected aquifer and stream yields have been compared to the 7Q10 flow rate for each source. It is assumed that an individual water diversion permit would not be issued for the development of a source where the yield is greater than 50% of the 7Q10 flow without significant water use restrictions or other mitigation measures. While permit criteria vary depending on the resource, 50% of the 7Q10 is used herein for planning purposes and screening-level analysis.

The only readily available information with regard to possible riparian rights is contained in the diversion permitting and registration inventories maintained by the Connecticut DEEP. Although diversion permits and registrations are not riparian rights (they allow for reasonable use of water), they may help identify users who do have riparian rights. Other riparian rights may exist as recorded in land record deeds; these have not been evaluated by the WUCC. It is noted that conflicts may exist between those entities holding diversion permits and registrations and other individuals with legitimate riparian rights.

8.1 Potential Impacts of Groundwater Supply Projects along the Connecticut River

Potentially regionally significant groundwater supply projects along the Connecticut River include development of wellfields by Portland Water Department in Portland and by MDC in South Glastonbury.

Water Quality and Minimum Streamflows

As noted in Section 7.1.1, the potential yield of two separate wellfields along the Connecticut River is 6.42 cfs (4.15 mgd). This is less than 1% of the 7Q10 discharge of 2,300 cfs published by the USGS[17] upstream in Suffield. Locating wellfields along the identified section of the Connecticut River is

[17] Ahearn, E. A., 2008, Flow durations, low-flow frequencies, and monthly median flows for selected streams in Connecticut through 2005: U.S. Geological Survey Scientific Investigations Report 2007-5270, 33p. ONLINE ONLY

therefore well suited for supporting groundwater withdrawals due to the likely minimal impacts on instream flow in the Connecticut River.

Water Quality Classifications[18] have been assigned by Connecticut DEEP to all surface and groundwater areas throughout the state. The classifications are based on Water Quality Standards (adopted February 25, 2011) and identify and establish criteria necessary to support designated uses. Surface waters are generally assigned as Class AA (supporting public water supply use and other uses), Class A (supporting potential public water supply use and other uses), or Class B (supporting only other uses besides public water supply. All streams receiving point source treated wastewater discharges are classified as Class B. Groundwater areas are generally assigned as GAA (supporting existing or potential public water supply and other uses), GA (supporting existing private water supplies, potential public water supply, and other uses), GB (not suitable for drinking without treatment but suitable for other uses), or GC (not suitable for drinking as quality is altered by wastewater discharges and waste disposal areas).

The Glastonbury and Portland Wellfields lie in areas where the mapped groundwater quality is considered Class GA. Active use of future drinking water supply wells is not expected to reduce groundwater quality as surrounding classifications are also GA.

The Connecticut River is considered Class SB, indicating that it is Class B and tidal in the vicinity of the proposed wellfields. Operation of drinking water supply wells would reduce groundwater discharge to the river (resulting in a minimum diminution of flow as noted above), but this will not alter its classification given the size of the watershed and the numerous factors that contribute to the Class B status of the river, particularly that the river receives treated wastewater discharges from numerous wastewater treatment plants. Although the MDC is implementing its Clean Water Project in part to achieve federal Clean Water Act goals in the Connecticut River, the river will continue to receive treated wastewater discharges and therefore will continue to be rated as Class SB in the vicinity of the proposed wellfields for the foreseeable future.

The 2016 Connecticut Integrated Water Quality Report notes that "*insufficient information*" is available to assess aquatic life on the Connecticut River in Portland and Glastonbury and that the river is considered "*not supporting*" for recreation and fish consumption. The likely cause of impairment for recreation appears to be E. Coli bacteria. The report also notes that the river has a DPH fish consumption advisory as a result of the bioaccumulation of polychlorinated biphenyls (PCBs). Potential sources of these impairments include industrial discharges, municipal discharges, combined sewer overflows, insufficient on-site treatment or septic systems, agricultural activities, landfills, illicit discharges, remediation sites, and groundwater impacts. Given the nature and sources of the impairments – bacteria and PCBs – the minimal flow diminution associated with the proposed wellfields are not expected to have more than a minimal impact on water quality.

Flood Management

Development of groundwater supplies near the Connecticut River would need to occur in accordance with local floodplain ordinances and state regulations for floodplain management. DPH requires that wells be protected from the base flood (the 1% annual chance flood) although if state money is utilized to fund the project the wells would need to be protected to the 0.2% annual chance regulation. This typically results in wellheads being elevated above the base flood elevation (BFE) with some degree of mounding around the wellhead to create a separation between floodwaters and the wellhead.

[18] http://cteco.uconn.edu/guides/resource/CT_ECO_Resource_Guide_Water_Quality_Classifications.pdf

Both wellfields would likely be at least partially located in the Special Flood Hazard Area (or SFHA, the area inundated by the 1% annual chance flood) associated with the river's floodplain. In turn, local flood damage prevention regulations (Portland Zoning Regulations, Article 7.4; Glastonbury Zoning Regulations, Section 4.11.6) and National Flood Insurance Program (NFIP) regulations require compensatory mitigation for the addition of fill to a SFHA. Consider the following standard language reflected in both sets of Zoning Regulations:

- Equal conveyance: Within the floodplain, except those areas which are tidally influenced on the flood insurance rate map (FIRM) for the community, encroachments resulting from filling, new construction or substantial improvements involving an increase in footprint of the structure, are prohibited unless the applicant provides certification by a registered professional engineer demonstrating, with supporting hydrologic and hydraulic analyses performed in accordance with standard engineering practice, that such encroachments shall not result in any (0.00 feet) increase in flood levels (base flood elevation). Work within the floodplain and the land adjacent to the floodplain, including work to provide compensatory storage shall not be constructed in such a way so as to cause an increase in flood stage or flood velocity.

- Compensatory storage: The water holding capacity of the floodplain, except those areas which are tidally influenced, shall not be reduced. Any reduction caused by filling, new construction or substantial improvements involving an increase in footprint to the structure, shall be compensated for by deepening and/or widening of the floodplain. Storage shall be provided on-site, unless easements have been gained from adjacent property owners; it shall be provided within the same hydraulic reach and a volume not previously used for flood storage; it shall be hydraulically comparable and incrementally equal to the theoretical volume of floodwater at each elevation, up to and including the 100-year flood elevation, which would be displaced by the proposed project. Such compensatory volume shall have an unrestricted hydraulic connection to the same waterway or water body. Compensatory storage can be provided off-site if approved by the municipality.

Prevention of impacts to flood management is largely controlled through local permitting efforts, including building permits and zoning controls. Pump houses and treatment buildings should be constructed outside of the floodplain to the greatest extent practical. Hydraulic analysis should be completed if new facilities are to be constructed in the floodplain to ensure that increases in water surface elevations are prevented. Activities that are necessary should proceed in a manner consistent with local zoning and other pertinent regulations.

Recreation

Although the Connecticut River is considered "*not supporting*" for recreation and fish consumption (essentially contact recreation), the river is still utilized for recreational boating and fishing. As instream flow impacts are expected to be minimal, recreational impacts are also expected to be minimal. Therefore, instream recreation such as fishing and boating will not be more than minimally impacted although it must be noted that fishing is limited for the reasons cited in the 2016 Connecticut Integrated Water Quality Report.

Hydropower

Based on information available on the FERC website as of November 2017, there are no hydropower operations along the main stem of the Connecticut River.

Natural Diversity Database and Aquatic Habitat Concerns

The December 2017 NDDB shapefile was accessed to determine the potential location of wildlife that could potentially be affected by groundwater diversions at both identified wellfield sites. The Connecticut River is lined by an elongated NDDB area that likely represents species dependent on instream flow and river stage. Activation of one or both wellfields would have only minimal impacts to stage and discharge in the Connecticut River for the reasons stated above. Therefore, threatened and endangered species will not be impacted based on river flow metrics. Given the slightly degraded water quality currently experienced in the river and the minimum impact of pumping on instream flows, aquatic habitat is unlikely to be affected. Site-specific upland habitat would have to be evaluated once a site is selected.

Riparian Rights

Numerous users of water exist in the Connecticut River watershed, including public water supply, irrigation, and power supply uses based on diversion registrations and permits. Given the minimal withdrawal for both identified wellfields in comparison with the 7Q10 flow of the Connecticut River, minimal impact to riparian rights would be expected.

Waste Load Allocations

Numerous sewage treatment plants discharge to the Connecticut River and its tributaries, hence its Class SB water quality designation. In theory, diminution of instream flow during low-flow periods could impact water quality by making treated wastewater a relatively higher percentage of instream flow. However, given the low percentage of the withdrawal relative to the 7Q10 flow of the river, impacts to waste load allocation would not be expected.

Climate Change and Resilience

The reach of the Connecticut River in Portland and Glastonbury is relatively resilient to the effects of climate change and droughts because the watershed size above the identified wellfield locations is very large. The size of the drainage basin and the many contributing tributaries will tend to mitigate for flashy droughts that may occur more frequently in the future. Compared to new water supplies in small watersheds, wellfields along the Connecticut River would be ideally situated for drought resilience.

It is expected that climate change will contribute to increased incidence of flooding. Each utility should consider future potential flood levels that could occur and incorporate the recommendations of the Federal Flood Risk Management Standard by elevating the wellheads higher than the BFE with an appropriate safety factor, such as to the 0.2% annual chance flood elevation.

Summary

The locations of future wellfields on the Connecticut River, in part to indirectly provide public water supply to East Hampton, are relatively ideal for use of a water supply given the low potential for adverse impacts to river discharges and stage and the climate resilience of the watershed.

8.2 Potential Impacts of Groundwater Supply Projects along the Hammonasset River

Potentially regionally significant groundwater supply projects along the Hammonasset River include development of wellfields by CWC in Killingworth.

Water Quality and Minimum Streamflows

As noted in Section 7.1.2, the potential yield of three wellfields along the Hammonasset River is equal to 4.64 cfs (3.00 mgd). This is greater than the 99% duration flow of 2.13 cfs calculated by the USGS *StreamStats* program. Activating one wellfield would have a yield equivalent to 1.57 cfs, or 74% of the 99% duration flow. Locating wellfields along the Hammonasset River may therefore only be possible for use during winter, spring, and other high-water periods. Depending upon the magnitude of upstream streamflow releases from Lake Hammonasset as required under the Streamflow Standards and Regulations, the 7Q10 flow in the Hammonasset River may increase in the future, thus allowing the lower reach of the river to be potentially more supportive of summertime withdrawals.

The North Weiss, Gustafson, and Paper Mill wellfields lie in an area where the mapped groundwater quality is considered Class GA. Active use of wells in this area is not expected to reduce groundwater quality as surrounding classifications are also GA. The Hammonasset River is a class A stream. Operation of future wells would reduce groundwater discharge to the river, but this would not be expected to alter its classification.

Flood Management

Development of groundwater supplies near the Hammonasset River would need to occur in accordance with local floodplain ordinances and state regulations for floodplain management as described in Section 8.1. Each wellfield would likely be at least partially located in the SFHA (area inundated by the 1% annual chance flood) associated with the floodplain, and the wellhead(s) may need to be elevated to the 0.2% flood elevation if state funding is utilized as noted above. However, because the floodplain along the river is mapped as Zone A, design flood elevations would need to be determined. In addition, local flood damage prevention regulations (Killingworth Zoning Regulations, Chapter 500-82 through 500-93, inclusive) and NFIP regulations require compensatory mitigation for the addition of fill to a SFHA as described in Section 8.1 regarding equal conveyance and compensatory storage.

Recreation

The Hammonasset River is considered a "Sea-Run Trout Stream" by DEEP in its undated "Trout Management Program" brochure[19] along its reach in Killingworth and is so designated due to the assessment of DEEP that the river is able to support anadromous brown trout. DEEP reportedly stocks the river with fingerling and yearling brown trout, among other species. According to maps available on the DEEP website, the reach of the river from Hammonasset Reservoir to Chestnut Hill Road (a reach upstream from each potential wellfield location) is a trout management area. Potential impacts to fisheries would need to be evaluated as part of wellfield assessment prior to permitting or activation.

The Hammonasset River is used for a variety of recreational uses. The lower (tidal) reach of the river is used for recreational paddling; hiking trails are available along the river supported by the Killingworth and Madison Land Conservation Trusts; and a reach of the river upstream of the identified wellfield locations is used for whitewater rafting.

[19] http://www.ct.gov/deep/lib/deep/fishing/freshwater/troutbroc.pdf

Hydropower
Based on information available on the FERC website as of November 2017, there are no hydropower operations along the Hammonasset River.

Natural Diversity Database and Aquatic Habitat Concerns
The December 2017 NDDB shapefile was accessed to determine the potential location of wildlife that could potentially be affected by the proposed diversions. The Hammonasset River is lined by an elongated NDDB area, which likely represents species dependent on instream flow and river state. Potential impacts to threatened and endangered species would need further evaluation as part of wellfield assessment.

The 2016 Connecticut Integrated Water Quality Report notes that the Hammonasset River along this reach is considered "fully supporting" of aquatic life but was not assessed for recreation. Potential impacts to aquatic life would need to be assessed as part of wellfield activation.

Riparian Rights
Numerous users of water exist in the Hammonasset River watershed, including public water supply, agriculture, and power supply uses based on diversion registrations and permits. CWC maintains the majority of registrations although SCCRWA maintains a significant upstream registration for withdrawals from Lake Hammonasset.

It is possible that other riparian users may exist downstream of the proposed wellfields. Given the significance of the potential withdrawal compared to low instream flows, the riparian rights of downstream users would need to be further evaluated in detail as part of permitting efforts.

Waste Load Allocations
No sewage treatment plants discharge to the Hammonasset River or its tributaries, hence its Class A water quality designation. Future withdrawals would therefore not impact waste load allocations.

Climate Change and Resilience
The identified section of the Hammonasset River has the potential to experience low flows. The duration of such low flows may be exacerbated by projected climate changes suggesting that prolonged dry periods interspersed with severe rain events will become normal in the future.

It is expected that climate change will contribute to increased incidence of flooding. CWC should consider future potential flood levels that could occur and incorporate the recommendations of the Federal Flood Risk Management Standard by elevating the wellheads higher than the BFE with an appropriate safety factor, such as to the 0.2% annual chance flood elevation.

Summary
Locating wellfields in close proximity to the Hammonasset River to provide public water supply may be challenging to permit for year-round use due to the potential for adverse impacts to river discharges and river stage as well as to aquatic habitat and fisheries. If permitted, usage could potentially be tied to instream flow monitoring, with a shutdown threshold such that the wellfield(s) may not be considered to be "available water" on a year-round basis. It is therefore possible that these wellfields would be a supplemental source of supply used to allow the reservoir system to recharge during periods of higher stream flow.

8.3 Potential Impacts of Surface Water Supply Projects on Reservoir Brook

Future regionally significant groundwater supply alternatives along Reservoir Brook in Portland include reactivation of the Portland Reservoir to provide a water supply to East Hampton.

Water Quality and Minimum Streamflows

The Portland Reservoir is mapped as Class AA water quality, consistent with its previous use as a public water supply. The watershed draining to the Portland Reservoir is mapped as GAA, also consistent with this former use. Reactivation of the reservoir is consistent with these designations. Reservoir Brook downstream of the reservoir is mapped as Class A, and diversion of water from the reservoir would not impact this designation. The reservoir would be required to make releases in accordance with the Streamflow Standards and Regulations. Therefore, minimum streamflow and stream stage would be maintained in Reservoir Brook.

Flood Management

Portland Reservoir is mapped as a FEMA Zone A, and Reservoir Brook is mapped within an AE zone. Prevention of impacts to flood management is largely controlled through local permitting efforts, including building permits and zoning controls. Sufficient land appears to be available near the reservoir outside of the SFHA to support construction of a treatment plant. Therefore, impacts to flood management are not anticipated. Returning the reservoir to active use may also provide a small benefit to flood management by allowing for some storage to occur in the reservoir during high-flow events before spillage occurred.

Recreation

The majority of the watershed of the Portland Reservoir is part of the Meshomasic State Forest, where hiking trails are maintained around the vicinity of the reservoir. Reservoir Brook and an upstream tributary to the reservoir (Buck Brook) are stocked with fish by DEEP. Reactivation of the reservoir would require stricter controls on recreation immediately adjacent to the reservoir to prevent swimming and fishing by wading.

Hydropower

Based on information available on the FERC website as of November 2017, there are no hydropower operations along Reservoir Brook.

Natural Diversity Database and Aquatic Habitat Concerns

The December 2017 NDDB shapefile was accessed to determine the potential location of wildlife that could potentially be affected by future proposed surface water diversions. The entire watershed is covered by a NDDB area that likely represents species dependent on contiguous protected forest lands, and potentially certain species that are water dependent. The shaded area extends slightly downstream of the reservoir. Reactivation of the reservoir could potentially impact species near the shoreline that are sensitive to water level fluctuations.

The 2016 Connecticut Integrated Water Quality Report notes that Reservoir Brook along this reach is considered “fully supporting” of aquatic life but was not assessed for recreation. Potential impacts to aquatic life would likely be minimal as the reservoir would need to comply with releases under the Streamflow Standards and Regulations.

Riparian Rights
Other users of streamflow do not appear to be present in the Reservoir Brook watershed. The majority of the area traversed by the brook is protected state forest or residential lands without notable agricultural areas. It is possible that other riparian users exist, but they would likely be less affected by reactivation of the reservoir than when it was operated under previous conditions due to the required releases under the Streamflow Standards and Regulations.

Waste Load Allocations
No sewage treatment plants discharge to Reservoir Brook or its tributaries, hence its Class A water quality designation. Withdrawals will therefore not impact waste load allocations.

Climate Change and Resilience
Reservoir Brook has a relatively small watershed and has the potential to experience low flows. The duration of such low flows may be exacerbated by projected climate changes suggesting that prolonged dry periods interspersed with severe rain events will become normal in the future. It is expected that climate change will contribute to increased incidence of flooding. Siting of the potential water treatment plant should consider the potential for expanded floodplains in the future.

Summary
In summary, reactivating the Portland Reservoir to provide water supply appears feasible given its minimal potential impacts on other uses of water resources, particularly given that releases will be required in accordance with the Streamflow Standards and Regulations.

8.4 Potential Impacts of Meeting Daily Needs through Regional Interconnections

This report identifies that interconnections may be required in many cases to obtain required additional increments of supply in the intermediate and long-term planning periods. Systems standing to potentially benefit from the movement of water (or the additional movement of water) through interconnections includes all of the systems depicting deficits in Table 3-12b. Coordination between one or more utilities may be necessary as described previously.

Water Quality and Minimum Streamflows
Active movement of water through interconnections can cause potential adverse impacts if water is moved from drainage basins where instream flows are already impaired through flow diminution or could become impaired through flow diminution resulting from the interconnection. For this reason, DEEP closely reviews the permit applications submitted to authorize movement of water through interconnections and will require (through special conditions) actions that protect instream flows. These conditions can vary from direct protections (such as a requirement to release water from source reservoirs) to indirect protections such as water conservation targets and leak detection.

The Streamflow Standards and Regulations are the primary means of mitigating for potential impacts associated with increased movement of water from systems utilizing surface water supplies to supply interconnected systems. The regulations will require the release of water from surface water supplies to downstream watercourses. These releases will mitigate the potential impacts of additional interbasin transfers from the source basins of the reservoir system by ensuring that flow diminution does not occur downstream of the surface water sources. Movement of water supplied by groundwater sources typically involves increased use of a source, which is allowable provided that the withdrawal remains

with current registrations or permits. DEEP can request additional information regarding potential impact to sources of supply as part of its review of diversion permit applications.

In general, the sources of supply serving the potential interconnections identified in Section 5.4.1 and Section 5.4.2 are all Class AA or GAA, which is a situation that is appropriate for active sources of supply. Use of these sources to provide water through interconnections will not alter or affect these classifications.

The water quality classifications downstream of surface water supplies vary from river to river, with the majority being Class A until significant downstream tributaries (such as the Connecticut River) are reached. Likewise, the conditions documented in the 2016 Connecticut Integrated Water Quality Report vary from river to river. Additional withdrawals from water supply sources can hinder efforts to maintain or improve water quality classifications and water quality if flow diminution occurs, but the releases made in accordance with the Streamflow Standards and Regulations will protect watercourses from adverse changes in classification or quality.

Flood Management

Use of interconnections will not, in itself, cause adverse impacts to flood management. Potential impacts would arise if sources need to be altered to accommodate movement of water through interconnections. As this would not typically be the case, flood management impacts will generally be negligible. If alteration of a source is necessary as part of a proposed interconnection project, potential impacts to flood management should be evaluated in detail.

Recreation

The protection of instream flows through implementation of the Streamflow Standards and Regulations across surface water supplies will mitigate the potential adverse impacts to recreation. For interconnections served through groundwater sources, the impact will likely be minimal provided that the withdrawal remains with current registrations or permits. DEEP can request additional information regarding potential impact to recreation as part of its review of diversion permit applications.

Hydropower

According to information on the FERC website through November 2017, parts of the West Branch Farmington River, Lake Gaillard (SCCRWA), and the Quinnipiac River are utilized for hydropower generation in the region. The potential impact to hydropower will need to be evaluated for sources of supply, which may serve potential interconnections in these basins. The protection of instream flows through implementation of the Streamflow Standards and Regulations will mitigate the potential adverse impacts to downstream hydropower in some areas but not below dams which are exempt from releases.

Natural Diversity Database and Aquatic Habitat Concerns

Coordination with the NDDB will be required for interconnections crossing through NDDB areas where threatened, endangered, and special concern species have been identified. Additional site-specific studies may also be warranted depending on the project area. Similar to the discussion for minimum streamflows above, a proposed interconnection may cause concern for potential source impacts. These will need to be evaluated as part of the diversion permitting process.

Riparian Rights

All of the sources of water to existing or future interconnections identified in this study are either registered or permitted. Other riparian rights are not apparent but may exist and will need to be evaluated as part of any permitting effort. The protection of instream flows through implementation of the Streamflow Standards and Regulations for surface water supplies will mitigate potential adverse impacts to riparian rights for those affected reservoir sources supplying a potential interconnection.

Waste Load Allocations

The potential impact of an interconnection on waste load allocation is dependent upon the location of the sources. In some cases, the impact to waste load allocation will be minimal, but for other watersheds it could be significant. This will need to be evaluated as part of any diversion permit effort.

Climate Change and Drought Resilience

Compared to development of new individual sources, development and use of interconnections is relatively resilient to the effects of climate change and droughts for several reasons. First, interconnections rely on existing sources of supply that have, in many cases, already been utilized and "tested" through previous droughts that have occurred. Second, the legal agreements and permits associated with interconnections tend to cause a critical review of drought management responses on either end of the interconnection, often leading to uniformity in future drought management approaches. For example, water utilities purchasing water are required to align their drought response protocols to be consistent with the supplier's drought response protocols. This helps build resilience. Third, interconnections can allow a much-needed movement of water if one of the connected utilities experiences an emergency related to climate change or a flashy drought.

8.5 Potential Impacts of Interconnection Projects for Resiliency

This report recommends a vast network of interconnections that should be considered for development and used for region-wide resilience to unplanned and/or planned outages and interruptions in supply. Because these interconnections will be used for emergencies and infrequent outages, adverse environmental impacts will be minimal. If any of the interconnections are subsequently used for active daily supply, a system-specific analysis will need to be conducted to evaluate the impacts and facilitate issuance of a water diversion permit.

9.0 MINIMUM DESIGN STANDARDS

9.1 Overview

The State of Connecticut has included minimum design criteria as a portion of its Final Regulations for issuing a CPCN to water systems. The state design criteria represent the minimum standard for water system design. Any utility or ESA holder that wishes to enforce other specific standards must ensure that any local standard be at least as stringent as the minimum standards required by DPH as DPH in its regulatory authority is the final arbiter of any water system design or modification.

The State Regulations include RCSA Section 16-262m-8 for CWS design. This section of the regulations begins by providing a summary of key definitions and then continues by identifying criteria associated with facility location, design population and demand, water supply requirements, source protection, well construction and water quality, atmospheric storage tanks, on-site standby power, transmission and distribution systems, materials of construction, fire protection, service pipes (service connections), and pump house requirements. Throughout this section of the document, the term "state design criteria" is intended to reflect Section 16-252m-8.

While there are advantages to having a legislatively established set of minimum design standards, WUCC members have found that the minimum standards are not strong enough in some cases. The WUCC recommends that the state minimum design criteria be reviewed at regular intervals to ensure the development of reliable water systems with proper technical, managerial, and financial capacity.

With references to other state regulations, AWWA standards, and the National Electric Code, the state design criteria become fairly comprehensive in scope and can serve as a basic minimum design framework for all water companies regardless of size. However, case-by-case exceptions to these criteria should be made if justifiable, particularly for larger utilities which often have their own minimum design criteria or are subject to more stringent requirements.

For non-community water systems, DPH regulates construction and expansion based on CGS Section 16-262m(e)(2) wherein the applicant must complete the construction or expansion in accordance with engineering standards established by said department's regulations for water supply systems. As noted previously in this document, development of recommendations specific to development of non-community water systems is recommended.

This section focuses on design standards that are currently in place by some utilities that exceed the DPH minimum standards. In general, such requirements should be provided to a developer as early as possible. It is recognized that it would not be economically feasible for many utilities (particularly smaller systems) to retrofit existing systems to comply with current standards. Therefore, it is the intent that these criteria be applied to all new, expanded, or upgraded facilities.

9.2 Local Minimum Design Standards

Many larger utilities have their own minimum design standards that parallel or in some instances are more stringent than those set forth by the state. Those utilities which possess more stringent standards (or site-specific variations of the state standards) have the right to require developers to comply with

these standards when constructing an extension to their existing system or service area. The state regulations (Section 16-262m-7) appear to support this contention by stipulating that the "specifications for materials, equipment, and testing shall be in accordance with…the specified water utility which will eventually own the system…" It is important for a utility to maintain consistency of design parameters throughout its service area as system expansion occurs and to provide the appropriate pipe sizing to be consistent with continued expansion of the system.

In some cases, smaller interconnected utilities have directly adopted the standards of the regional supplier (e.g., Berlin Water Control Commission utilizes the same local minimum design standards as MDC). The WUCC supports this approach as it may help strengthen regionally interconnected water systems and provide for consistent infrastructure construction such that emergency assistance can be more easily obtained from nearby water utilities.

Finally, many utilities require a developer to enter into a "developer agreement" or equivalent when a new system will be designed and turned over to that utility. Such an agreement may be separate from the agreements required under the CPCN regulations and typically specifies the responsibilities of each party and required design standards in advance of project design. The WUCC supports this approach as it ensures that both parties are informed and committed to working together through the CPCN process.

The following are examples of different types of local design standards that exceed the state minimum requirements:

- CWC requires that new systems meet a MOS of 1.25, in other words that existing supplies can provide 25% more water than anticipated demands. This provides a mitigating buffer for future yield reductions, which sometimes occurs in groundwater wells.

- SCCRWA requires that the safe yield of bedrock wells be calculated based on a stabilized well rate while pumping for 12 hours per day (instead of the minimum standard of 18 hours per day). SCCRWA has significant concerns regarding low-yielding bedrock wells being approved for new developments where the system may not be viable over the long term.

- East Hampton WPCA requires a 120-hour pumping test of new wells (instead of the minimum requirement of 72 hours).

- East Hampton WPCA requires a peaking factor of 1.5 to be applied to the design calculation for ADD. If the resulting water use is greater than 50,000 gpd, the developer is required to obtain a water diversion permit from DEEP.

- CWC requires a minimum 8-inch diameter ductile iron pipe to be installed in new systems. This is larger than the 6-inch minimum standard. CWC allows the 6-inch minimum standard only if fire protection will not be developed.

- MDC has standards that are more stringent than the minimum state design standards for developer-funded water main extensions, MDC main extensions, and applications for new domestic, fire, and irrigation water connections.

- Norwich Public Utilities has material requirements (e.g. specific brand valves or hydrants) that it requires to be installed. East Hampton WPCA also has specific material requirements.

- SCCRWA has a document regarding Rules and Regulations for Water Service on its website which provides specific requirements to be followed related to infrastructure.

- The Southeastern Connecticut Water Authority requires that developers and/or contractors use AWWA design standards as needed to supplement the state minimum standards.

- CWC requires that all new services be a minimum diameter of 1-inch and constructed of copper unless larger diameter pipe is necessary.

- SCCRWA has design standards specific to material types for use in service connections and meter vaults.

- AWC has design standards and preferences (e.g., redundancy, materials, equipment, wiring, level of automation, etc.) that differ from the state minimum standards.

- CWC has purchasing, design, metering, controls, and material standards.

- SCCRWA has specific standards pertaining to the safety of chambers or vaults.

- East Hampton WPCA requires a 1-year warranty period in its developer agreements following issuance of the final Certificate of Occupancy, with a secured amount equal to 10% of the construction bond.

In some cases, there may be a desire for compliance with a utility's design standards to be built into a local condition of approval. Good communication between commissions and the utility would ensure that comments regarding utility design standards are provided and understood during the local approval process.

9.3 Impact on Existing Systems

The criteria set forth in Sections 16-262m-1 to 16-262m-9 could have a significant impact on existing smaller community systems if they desire to expand. This concern is specifically related to whether an entire system would have to be brought up to the minimum design criteria if expansion occurs even if the water utility has historically provided an adequate supply of water at sufficient pressure to their customers. DPH has stated its intent to review an entire existing system for conformance to the regulations if expansions of 5 percent or more service connections are contemplated by a regulated water system, with particular emphasis during this review on whether or not the proposed expansion will compromise existing service under any potential average or peak demand conditions. The regulations do allow for a hearing process for aggrieved parties through which situations such as this could be addressed. However, it is uncertain if this process would look favorably upon the smaller systems.

9.4 Conclusions and Recommendations

The state regulations for issuing a CPCN set forth minimum design criteria under CGS Section 16-262m. These criteria have the advantage that they are set in law and are thus legislatively supported. Additional items and/or modifications to enhance these regulations have been adopted by a variety of utilities as noted above. Individual utilities have the right to impose their own site-specific standards within their existing service areas or ESAs.

The WUCC recommends that utilities ensure any local design standards are in a written format, adopted by the utility, and provided to a developer at the beginning of the CPCN process. Ideally, any local standards would be referenced in a development agreement between the developer and the utility that would eventually own and operate the system.

The WUCC has a continuing concern regarding the impact of any accepted set of minimum design standards. It was generally agreed that such rules or standards are essential and, at a minimum, must be applied to new systems or greatly expanded systems. However, it is also important that some realistic measure be incorporated for upgrading the existing portion of systems desiring to expand. For example, a system that is adding two or three houses, although it may represent a 5 percent or greater expansion, is different than expansion encompassing 100 or more customers. There is indeed merit to having streamlined procedures for existing smaller utilities desiring a minimal degree of expansion.

10.0 RELATIONSHIP AND COMPATIBILITY WITH OTHER PLANNING DOCUMENTS

10.1 Water Supply Plans

By regulation, the CWSP is comprised of the individual water system plans of each public water system within the Central PWSMA and the areawide supplement consisting of a WSA, ESA boundaries, integrated report, and executive summary. Therefore, this plan is inextricably linked to individual WSPs.

As part of this process, discrepancies among the requirements for the analyses required for WSPs and for the CWSP have been identified. While the water supply planning regulations focus on demands for systems, the CWSP regulations request breakdowns in demand by municipality and by ESA. As most of the public water supply demands that are known are system-specific, these breakdowns are largely estimated, and system projections are used to generate the regional evaluation of need. The utility of such breakdowns should be evaluated moving forward, with potential revisions to water supply planning or CWSP regulations as appropriate to facilitate regional planning.

Given the differences in data requirements for the three related planning efforts (Water Supply Planning, Coordinated Water System Planning, and State Water Planning), the WUCC encourages a review be conducted of the data requirements to maximize the utility of future data collection and projections by WUCC members for multiple planning efforts.

Finally, Public Act 17-211 will make public versions of WSPs more widely available, specifically for local planners and planning commissions. Utilities are encouraged to continue building relationships with local planning staff, including involving such planners when WSP updates are performed. This will both inform projected system demands in WSPs, as well as help local planners evaluate system capabilities for local planning efforts.

10.2 Local Plans of Conservation and Development

As noted in the *Final Water Supply Assessment* (December 2016), local POCDs were reviewed to determine potential water supply needs. The desire for additional public water service was identified in many communities in the region either through development of new systems or extension of existing systems. For other communities, it was noted that there was either no desire to see systems expand or that existing systems were unlikely to expand. Finally, many of these plans currently do not address public water supply needs.

Utilities should coordinate with local planners during POCD updates to identify areas of development in watershed or recharge areas that are incompatible with public water supply. The COGs could assist the WUCC by advising the timing of POCD updates to WUCC members, and by providing comments related to water planning on local POCDs.

POCDs set forth a community's planning goals over the next 10 years. Each municipal POCD should address the realities of the municipality's water supply issues and needs. In those cases where there is currently not enough water to meet community growth plans, the community has two options: increase supply or reduce demand. Therefore, each municipal POCD should describe (1) how additional water supply sources are to

be developed or acquired and/or (2) how demand growth (e.g. from system expansion and/or the rate of usage by customers) is to be curtailed.

Specific to the second point, it is encouraged for local POCDs to discuss the continued need for water conservation and source protection as part of their sustainability and conservation chapters. As noted in Section 2.2, utilities would prefer for some aspects of water conservation initiatives to be driven at the local level. In addition, these plans should continue to identify areas where extension of water service is desired by the community to help inform utility planning efforts. Finally, local planning staff and commissions should reach out to utilities and ESA holders during POCD updates.

The WUCC encourages local planners to discuss water conservation and source protection in their POCD (and for source protection, to coordinate with other watershed towns on such planning), to identify areas where public water service is desired and undesired, and to consider both small and large public water system needs.

10.3 Regional Planning Documents

Funding assistance is recommended for Councils of Government staff to monitor and inform local land use commissions regarding source water protection, ESA boundaries, and water supply challenges. Absent funding, the COGs may have difficulty providing ongoing assistance to the WUCC.

Regional planning will continue to be an important aspect of public water supply planning, particularly through the membership of regional councils of government in each WUCC. In particular, regional planners are well-positioned to evaluate water supply needs that could support regional economic development, as well as identify areas where extension of utilities or utility avoidance is desired.

CRCOG adopted its *Plan of Conservation and Development 2014-2024* in 2014. The plan provides a brief overview of ESAs and water supply planning. Goals of the plan include ensuring an adequate and high quality water supply, using existing water and sewer infrastructure to guide future growth, and balancing water supply and ecosystem considerations. Some of the related recommendations of the regional plan have already been accomplished (such as assignment of ESAs). Additional recommendations that are still applicable include the following:

- Encouraging local governments to cooperate with DPH in consolidating older, private water systems such as those in town centers and higher-density areas;
- Supporting education and other efforts to promote water conservation and reduction of nonpoint source pollution;
- Continuing efforts to identify and protect high-yielding aquifer areas and watershed areas to ensure a stable and clean water supply;
- Encouraging local governments and water utilities to evaluate vulnerabilities to natural hazards that could cause disruptions to water supply;
- Encouraging development of infrastructure to meet desired local and regional growth patterns;
- Encouraging infill development in areas already served by sewer and water lines;
- Support efforts to redevelop and revitalize older areas within existing water and sewer service districts;
- Discourage extension of water service into unserved rural areas unless scaled to serve areas planned for significant commercial or industrial development;

- Encouraging municipalities to adopt service area maps for public sewer and water to limit expansion;
- Encouraging streamlining the permit process at DEEP and DPH so as to not discourage strategic development investment;
- Support the efforts of State of Connecticut regulatory agencies to establish clear and scientifically valid criteria for permitting the expansion of water service;
- Encourage research to determine minimum instream flow levels to support healthy stream and river ecosystems and prevent overdiversion for water supply purposes; and
- Oppose interbasin diversion of surface and groundwater unless demonstrated to be the most reasonable and feasible alternative for meeting critical need(s) that are supported through state and regional plans.

The SCRCOG POCD was last amended in July 2009 although an update is in process. The draft plan update (dated February 2018) states that increased communication and collaboration among the various drinking water suppliers in the region is needed to plan for long-term adequacy and quality of water resources of the region. The draft SCRCOG plan also recommends conservation of valuable open space and to plan for response to disasters. Strategies to achieve these goals include encouraging conservation efforts, promoting environmentally sensitive development, and facilitating communication between regional water utilities and member municipalities on land use planning and water quality projects.

The RiverCOG POCD is presently in development. Copies of the previous Midstate and Connecticut River Estuary Regional Planning Area plans were not available for review.

Economic development opportunities will continue to be vital to the region regardless of water supply challenges. As identified throughout this document, public water supply is not always located in the areas of need. As projected public water supply demands continue to be realized, it will become more of a challenge to supply water to the people and businesses in areas presently unplanned for economic development but where economic development may be desired in the future. The regional planning goals espoused by the various councils of governments for public water supply (and protection of water supply) are in line with meeting potential future water supply needs in the region.

In order to better facilitate regional planning, DPH is encouraged to share Geographic Information System data with Councils of Government that are appropriate to regional planning, such as ESA boundaries and public water system locations. To this end, more detailed mapping of non-community water systems will be essential to conduct proper regional and local planning.

The information in this CWSP is consistent with existing regional planning documents to the extent possible. It is anticipated that this CWSP will be useful as a resource for regional planners into the future.

10.4 Conservation and Development Polices Plan for Connecticut

The Conservation & Development Policies: The Plan for Connecticut 2013-2018 was adopted in June 2013. The planning effort described in this report is believed consistent with five of the six growth management principles (GMPs) in that plan:

- GMP #1: Redevelop and Revitalize Regional Centers and Areas with Existing or Currently Planned Physical Infrastructure –The desire to rehabilitate infrastructure to reduce unaccounted for water in areas with current public water service is consistent with this GMP.

- GMP #2: Expand Housing Opportunities and Design Choices to Accommodate a Variety of Household Types and Needs – This plan identifies the potential need for public water service to serve certain types of developments, particularly cluster-style developments with limited areas for wells and septic systems.

- GMP #4: Conserve and Restore the Natural Environment, Cultural and Historic Resources, and Traditional Rural Lands – This GMP is consistent with the needs for source protection and the desire to avoid development of water mains in areas where public water supply is not needed where possible.

- GMP #5: Protect and Ensure the Integrity of Environmental Assets Critical to Public Health and Safety – This GMP is consistent with the needs for source protection and resiliency of public water system assets outlined in this plan.

- GMP #6: Promote Integrated Planning across all Levels of Government to Address Issues on a Statewide, Regional, and Local Basis – This plan considers planning issues on all levels to generate an overall cohesive planning effort.

10.5 State Water Plan

The *State Water Plan* was approved by the Water Planning Council for distribution to the legislature in January 2018. The five most important points of the plan relative to the CWSP include use of the plan as a platform for decision making, maintenance of highest quality drinking water, balance (of ecological and consumer needs), conservation, and maintenance of scientific data. Implementation of the plan is expected to work towards elimination of obsolete and obsolete portions of diversion registrations, identifying funding sources for water-related projects, and identifying legislative priorities.

Similar to the *State Water Plan*, the CWSP is expected to be a platform for future decision making although its scope is limited to public water supply whereas the *State Water Plan* considers all uses of water. Many of the themes in the *State Water Plan* are applicable to utilities, such as identifying users of treated water who may be able to reduce reliance on treated water by using Class B water (which could be part of a targeted water conservation and water efficiency program), and the desire for source protection and resiliency.

From a data perspective, DEEP is presently developing forms to standardize reporting of water use by registered and permitted diverters. One of the challenges identified in this planning process has been identifying accurate data for smaller CWSs and non-community systems. As noted in Section 3.0, much of the demand data for such systems are estimated, and where available water is known for such systems it is based on initial well yield data and not necessarily safe yield. In addition, small systems are largely not required to report usage on a regular basis. Overcoming this data gap

> As data reporting becomes more standardized, it may become possible to require smaller utilities to also report usage data on a regular basis, overcoming a data gap that presently exists for the majority of public water systems.

will continue to be a challenge for future planning efforts and DPH is already attempting to address this as discussed in Section 4.2.

The *State Water Plan* continues an emerging trend in state planning where water usage by drainage basin is evaluated. Similar to the discussion in Section 10.1, this presents a challenge for regional planning as existing water supply planning regulations request system-specific information, and the CWSP regulations request data summarization by municipality and ESA, but neither requests evaluation by basin. The reporting of water information by sub-regional drainage basin in the future would be ideal to inform future planning efforts at the statewide level but will be a challenge for large utilities without the capability to digitize their system components and evaluate demand at that scale.

11.0 FINANCIAL CONSIDERATIONS

11.1 Planning Cost Estimates for Implementation of Surface Water Supply Development

New surface water supplies must go through planning, investigation, permitting, and construction phases. Preliminary planning for future supply source development has been initiated by numerous public water systems in the region as presented in the Individual WSPs and as briefly discussed in the *Final Water Supply Assessment* (December 2016). Preliminary region-wide planning with respect to future surface water supply source development is presented in Section 7.0 of this document.

The following discussion outlines the major aspects of implementation of surface water supply development and provides typical anticipated cost ranges. It should be noted that these cost ranges are provided for planning purposes only and specific project costs are dependent upon many site-specific factors, including the proximity of the source to the end user, cost of land acquisition, extent of potential environmental impacts and the associated analysis required to evaluate and mitigate such impacts, permitting costs and legal fees, the volume of water to be withdrawn, water quality (i.e., required treatment), and site development issues.

For purposes of this document, the following discussion assumes that new surface supply sources are either run-of-river type of withdrawals, existing impoundments, or involve the creation of very low head dams. The costs of land rights and construction of new water supply reservoirs are not considered.

Source Investigation/Preliminary Design – Hydrologic and hydraulic investigation, as well as long-term water quality monitoring, must be conducted prior to development of any new surface supply source. A safe yield analysis will be necessary, typically with the use of a mass balance computer program such as the USACE Hydrologic Engineering Center *Reservoir System Simulation* program or similar software. Source investigation, including conceptual design of facilities, can range from $50,000 to well over $250,000.

Regulatory Permitting and Environmental Analysis – Regulatory permits and approvals are typically required at the local, state, and federal levels through local planning and zoning commissions and local inland wetlands commissions; the state DEEP, DPH, and potentially PURA; and the federal USACE. Environmental analysis is typically required for new source development with respect to wetlands, aquatic habitat, in-stream water flow, wildlife, vegetation, and the like. Competing uses must also be addressed, including the potential impacts on existing diversions, active and passive recreation, aesthetics, downstream waste assimilation, archaeological resources, and other downstream uses. Regulatory permitting and environmental analysis can be extensive, depending on the exact nature of the supply source. Costs can range from under $50,000 to over $1,000,000.

If state money is used for source development, evaluation under the Connecticut Environmental Policy Act (CEPA) would be required. Evaluation under CEPA typically requires similar but in some cases more extensive information than that required for a DEEP diversion permit application. In some cases, the CEPA process is used as an opportunity to develop a publicly-reviewed alternatives analysis to determine the best action to meet the project purpose and need. Similar to the above, costs for a CEPA evaluation are highly variable and can range from under $50,000 to over $250,000.

Engineering Design – Engineering design of intake structures, transmission piping, treatment systems, and distribution piping is necessary prior to construction of a new supply source. While this cost can be quite variable and is particularly dependent upon the need for conventional treatment design, costs in the several hundred thousand dollar to greater than $1,000,000 range are normal. This does not include the design of necessary transmission and distribution piping or pumping stations.

Construction Costs – Construction of water intake and transmission piping and conventional treatment facilities for a surface water supply is highly variable. New conventional treatment facilities, while dependent upon capacity, are often in the several million dollar range. Less expensive, smaller package systems can be constructed for the treatment of low volumes of water.

Ongoing Maintenance Costs – Annual operating and maintenance costs for a surface water supply source may include land leasing (if the property was not purchased), property taxes, electric supply, emergency (backup) power supply, water treatment equipment and chemicals, pipe and pump repairs and replacement, and regulatory compliance such as water testing. In addition, additional labor and benefits costs may be incurred if additional staffing is needed to manage and operate the new surface water supply source or treatment plant. Of course, many of these costs will already be familiar to larger utilities, and the incremental costs associated with a new supply source may not be significant after several years.

11.2 Planning Cost Estimates for Implementation of Groundwater Supply Development

Similar to surface water supply development, new groundwater supplies must go through planning, investigation, permitting, and construction phases. The following discussion outlines the major financial aspects of implementation of groundwater supply development. It should be noted that these numbers are typical ranges and that actual costs will vary significantly depending upon the specific site and supply issues.

Development of a new groundwater supply source, often known as a wellfield, is an extensive process. To first site a potential wellfield, available land must be located in a relatively undeveloped area, keeping in mind that property within 200 feet of each well (the sanitary radius for wells pumping at rates greater than 50 gallons per minute) must be in the direct control of the utility, and that APA regulations require evaluation of the area of contribution and recharge for wells completed into stratified sand and gravel. Land purchase costs alone may be prohibitive in some cases. The wellfield must also be within an acceptable distance of the service area such that connection of the wellfield to existing service mains is feasible. Thus, these two goals are often at odds (i.e. the wellfield cannot be within the most densely developed area even though the water main costs would be lowest for such a case).

Source Investigation/Test Borings and Pump Testing – Source investigation includes review of geological information based on published data (bedrock and surface geological maps, soil survey maps, and well records) and evaluation of hydrogeologic conditions, including watershed size and recharge capability. Site inspections are also conducted in this phase to visually assess the area. Widely-spaced test borings are then drilled to confirm subsurface conditions, and if conditions are favorable (i.e., suitable soil gradation, thickness of stratum, depth to water, etc.) small-diameter well screens and standpipes are installed and the wells are pump tested. Water levels in the pumping well and surrounding observation wells are monitored throughout the test to evaluate aquifer response. Water quality samples are also typically collected and analyzed in the preliminary investigation phase.

Following initial investigations, large-diameter wells and smaller-diameter monitoring wells are typically installed and long-term yield testing is conducted in accordance with DEEP and DPH requirements to evaluate safe yield and for Level A APA modeling. Initial source investigation is generally in the range of $100,000 to $250,000.

Regulatory Permitting and Environmental Analysis – Similar to surface water supplies, groundwater supply development typically requires regulatory permits and approvals at the local, state, and federal levels. Municipal planning & zoning and inland wetlands permits and approvals must be obtained in most cases. If there are any direct wetland impacts (due to filling or construction) or indirect wetland impacts (due to groundwater drawdown), USACE permitting will likely be necessary, as well as a 401 Water Quality Certification from DEEP.

If the wellhead(s) must be raised above the 1% annual chance flood elevation (or 0.2% annual chance flood elevation if state money is used) of the nearest surface water body, filling will be necessary. As a result, a hydraulic analysis of the floodplain must be completed to evaluate the need for FEMA map adjustment or to design mitigation that will compensate for the filling. In some cases, the required filling will tie this process back to the wetland permitting.

A DEEP water diversion permit must be obtained if the wellfield joins a system with daily withdrawals exceeding 50,000 gpd even if the wellfield itself does not draw more than 50,000 gpd. In most cases, the water diversion permit application is the most extensively "supported" document of all the regulatory applications. For example, the wetland and hydraulic analyses described above are required, along with a report that discusses the results of an aquifer pump test. If the wellfield is completed in stratified drift, and the source will serve more than 1,000 people, the numerical modeling completed in accordance with the APA Level A Mapping regulations is used to predict the response of the aquifer and watercourses under different pumping scenarios. Other potential environmental and cultural resource impacts require evaluation prior to obtaining the necessary regulatory permits for groundwater withdrawal, often including instream flow modeling.

Similar to the above discussion, if state money is used for source development, evaluation under the CEPA would be required. Regulatory permitting and associated environmental investigations can range from $50,000 to upwards of $1,000,000.

Engineering Design – Engineering design of production wells, transmission piping, treatment systems, and distribution piping is necessary prior to construction of a new groundwater supply source. Engineering will be necessary to design water main sizes and layouts, pump sizes and settings, treatment facility layout, and storage. Capital expenses include water mains, pipes, pumps, treatment facilities (at a minimum, pH control will be needed), fill material, access roads, fencing, a central pump house (or houses), and usually a clearwell or storage facility. Depending on the distance between the wellfield and the service area and the difference in elevation, a booster pumping station may be necessary. While engineering design can be quite variable, costs in the several hundred thousand dollar to greater than $1,000,000 range and higher are typical.

Construction Costs – Construction of water intake, transmission and distribution piping, and treatment facilities for a groundwater supply would be expected to be in the range of several hundred thousand dollars to over a million dollars, depending upon the specific project needs.

Ongoing Maintenance Costs – Similar to surface water supplies, annual costs for a wellfield may include land leasing (if the property was not purchased), property taxes, electric supply, emergency (backup) power supply, water treatment equipment and chemicals, pipe and pump repairs and replacement, and regulatory compliance such as water testing, as well as labor and benefits expenses.

11.3 Planning Cost Estimates for Implementation of Interconnections

Similar to surface water supply development, new interconnections must go through planning, investigation, permitting, and construction phases. The following discussion outlines the major financial aspects of implementation of interconnection development. It should be noted that these numbers are typical ranges and that actual costs will vary significantly, depending upon the specific site and supply issues.

Routing Evaluation – Development of a new interconnection requires evaluation of potential routing and evaluation of the system characteristics at each connection point. If pumping stations or pressure reducing valves are necessary to support the interconnection, project costs may increase significantly, particularly if land must be acquired to support such infrastructure. Conceptual design plans must be developed, and site-specific investigation of the pipeline route must be performed to evaluate potential impediments (shallow depth to rock, utility crossings, stream crossings, bridges, etc.) that will drive design parameters. Initial investigations and conceptual design typically range from $30,000 to $100,000 or more depending on the length of the routing and the number of alternatives.

Regulatory Permitting and Environmental Analysis – Interconnections also require regulatory permits and approvals at the state level, as well as planning and zoning approval at the local level if a structure is constructed for the interconnection, although permitting is not typically required at the federal level. Such a structure may be required to support a pump, pressure-reducing valve, generator, or other required instrumentation. DEEP requires, at a minimum, application for a water diversion General Permit for interconnections of less than 1.0 mgd. DPH will also require a General Application to evaluate the engineering design. If the interconnection will be between two utilities for sale of water, DPH requires a Sale of Excess Water Permit.

Similar to the above discussion, if state money is used for source development, evaluation under the CEPA would be required. Regulatory permitting and associated environmental investigations can range from $50,000 to upwards of $500,000.

Engineering Design – Engineering design of interconnection piping, pumping stations, pressure-reducing valves, and any connections to the main along the interconnection route is necessary prior to construction of an interconnection. For interconnections spanning a long distance, additional treatment to maintain the chlorine residual may be required. Engineering will be necessary to design water main sizes and layouts, pump sizes and settings, treatment facility layout, and any storage facilities that may be necessary to facilitate the interconnection, and related capital expenses will be required. While engineering design can be quite variable, costs in the several hundred thousand dollar range and higher are typical.

Construction Costs – Construction of transmission and distribution piping, pumping stations, pressure-reducing valves, meters, and other possible facilities for a groundwater supply would be expected to be in the range of several hundred thousand dollars to over a million dollars, depending upon the specific project needs.

Ongoing Maintenance Costs – Annual costs for an interconnection may include land leasing (if certain project elements require it) or property taxes, electric supply, emergency (backup) power supply, water treatment equipment and chemicals, pipe and pump repairs and replacement, and regulatory compliance such as water testing.

11.4 Financing Issues

Financing issues are multifaceted and include rate structures for customers, capitalization of improvements, and bonding. There is a broad cross section of financial structures in the region, including those that are essentially an adjunct of a residential or multifamily housing complex, privately or investor-owned companies, municipal public water systems, and regional not-for-profit water utilities. Each operates in a unique manner.

Some water systems are experiencing a trend of decreasing ADD. With continued conservation, the decline of industry, and the housing market decline of the Great Recession, water systems have been challenged by declining revenue. Because of the high fixed-cost requirements of public water systems, this has, in some cases, negatively impacted levels of service and made paying for infrastructure more challenging. Examples can be found throughout the region. For an example of a solution, East Hampton WPCA has elected to shift a greater portion of its revenue requirement to the basic service charge to cover fixed costs. Other creative solutions, such as the infrastructure replacement and revenue adjustment mechanisms authorized under Public Acts 07-139 and 13-78, respectively, continue to be needed to recapture lost revenue and/or pay for maintenance and improvements. Therefore, a general discussion of the financial operation of water systems in the region is warranted.

11.4.1 Financial Operation of Public Water Systems

Municipal public water systems may operate under a general municipal budget, with no direct connection of the user fees and water department budgets. Alternately, they may operate as an enterprise system of accounting, using operating revenues to fund operating and maintenance expenses as well as capital improvements. The latter system is generally preferred by AW4E to prevent user fees from being allocated back to the general fund in lieu of being used to meet capital improvements.

Major capital improvement projects in municipal systems are generally financed through revenues from water charges and general obligation bonds, with bonding expenses funded through the water department's revenues (i.e. user fees). Ideally, these systems review and analyze their water use rates such that operating and capital needs can be adequately met. However, for many municipal systems it can be difficult to predict capital improvement funding as bonding inherently has legitimate competing needs such as fire department upgrades, education improvements, and public works projects, such that difficult decisions must be made between supply-side and distribution-side improvements. Furthermore, in combined water and sewer departments the limited funding must be allocated for both water and sewer infrastructure. Both of these issues require dedicated asset management and financial planning to address.

> For some municipal systems, asset management planning is considered challenging because the availability of capital improvement funding is variable. Development of formal infrastructure replacement programs in coordination with DPH is recommended for such systems.

For small municipal systems, collections can occasionally be an issue, such as for rental properties. In some cases, it costs more money to transfer the debt to a collections agency or attempt to enforce the debt than would be obtained through collection, and the utility is forced to suffer the lost revenue.

Investor-owned public water systems are regulated by PURA, including regulation of the user rates that may be charged. Any increase in user fees must be justified and approved by the PURA through a rate case process. Rate structures for investor-owned systems must provide a return on investment. Capital improvement projects are typically funded through a capital improvement budget built from user fees, through developer agreements, or from loans.

Small residential systems, such as condominium associations, may utilize a general association fee to cover miscellaneous water service expenses, with no long-term capital improvement financial account. This type of management structure has been identified as a financial capacity issue by DPH. The Townsley Study (2014) identified a variety of systems unable to meet present maintenance and/or future capital improvement needs as discussed in Section 4.2. Other small private water systems, particularly non-community systems, do not charge for water but rather consider it as a business cost. Capital improvement planning is varied for non-community systems between entirely reactive and extremely proactive (such as for schools). DPH is available to provide tools and guidance to small systems regarding full-cost pricing, sustainability, and cost appreciation.

11.4.2 Funding of Public Water System Operations and Maintenance

Normal operation and maintenance costs of the public water systems in the region will continue to be supported by the individual systems. Those public water systems (municipal, private, and investor-owned) serving greater than 1,000 people are required to prepare individual WSPs. One of the components of the WSPs is the identification of system improvements and maintenance activities. Generally, the WSPs include improvement schedules along with estimated costs and funding sources. However, DPH has identified that asset management and capital improvement planning in smaller systems are often lacking. Resources for addressing this issue are presented in Section 11.5.

Many municipal water systems have been using annual rate increases as a method to publicize the cost of water and to limit the financial impact of the increase on customers. This method has been reported to be generally accepted by customers, many of whom are used to providing an annual cursory review – at a minimum – of municipal expenses when local budgets are developed. As noted above, large private water utilities must have their rates approved by PURA.

As noted in Section 2.2, water rates can be used to encourage water conservation. In general, the use of declining water rates (where the cost of individual units of water decreases with additional use) is discouraged in favor of uniform or – ideally – inclining block rates. The use of seasonal or water conservation surcharges may also be used to encourage conservation, although such surcharges are most effective with annual advance reminders combined with monthly billing practices. As conservation measures can reduce demands and therefore revenues, solutions have been sought to stabilize revenue declines without fully relying on annual rate increases. As noted previously, East Hampton WPCA recently altered its rate structure to minimize its reliance on commodity revenues. While arguably discouraging conservation, the rate structure has the benefit of providing greater revenue stability.

A method allowing for revenue recovery for municipal water systems is needed to address discrepancies between actual annual revenues and expected annual revenue. Municipal water systems are further encouraged to utilize programs similar to WICA to surcharge customer bills for water conservation projects.

Public Act 13-78 authorized PURA to authorize rates for each water company (as defined in CGS Section 16-1) in consideration of supply-side and demand-side water conservation. In addition, a revenue adjustment mechanism was authorized to reconcile the difference in rates between actual annual revenues of a water utility versus allowed annual revenues. Refunds are typically offered to customers on each bill the following year, or surcharges are added to each bill to cover shortfalls. This action has helped many utilities such as AWC, Avon Water Company, CWC, and Hazardville Water Company balance fluctuations in annual revenue. Furthermore, CGS Section 16-262v authorizes a Water Infrastructure and Conservation Adjustment (WICA) be added to customer bills to recover costs of eligible projects such as infrastructure improvements to reduce unaccounted-for water. Water companies not presently using these methods are encouraged to investigate and implement these programs.

In addition, Public Act 13-78 authorized water companies to include reasonable and necessary system improvements required for a water system acquisition approved by PURA to be included in its rate case. However, water companies continue to be concerned about the takeover process given the need to often make costly unforeseen improvements to unviable systems following an acquisition. Development of a risk-based approach is recommended to better evaluate the condition of systems and apply projected costs into the takeover and ratemaking proceedings. The WUCC meetings will continue to be a place where this issue may be discussed.

According to DPH, the State of Rhode Island authorizes utilities to assess a surcharge which is placed into a statewide land-acquisition fund for source protection. Utilities who contribute to the fund are authorized to apply for funding. WUCC member opinions are presently mixed on whether such a program would work in Connecticut. Utilities with surface water sources that have large watersheds view this type of proposal favorably as they have limited funding for land acquisition in comparison to the total acreage of the watershed. Other utilities were of the opinion that any additional surcharge on customer bills would be viewed unfavorably. If such a surcharge becomes desired, one suggestion put forth by utilities was to dedicate money collected by that surcharge to the billing utility for purchase of watershed lands by that utility, with oversight of the account by regulators.

11.5 Potential Funding Sources for Capital Improvement Projects

Development of many of the future supply sources will also likely be supported by the entity that is in need of such supply. These may include some of the potential future supply sources presented in Section 7.0 of this document. Interconnections among public water systems for ongoing supply and/or emergency situations are encouraged by the DPH. These types of interconnections would also likely be funded by the individual public water systems involved and have the potential for significant expenditures.

The WUCC does not have an available budget with which to implement the recommendations included in this document or other regional studies and analyses. Several possibilities exist with respect to funding of regional water supply projects in the Central PWSMA such as regional council of government and/or state funding as described below.

Upon completion of the CWSP by the former Southeastern WUCC, that body made a formal request to the SCCOG to pursue funding for additional study of regional water supply development and continued work towards resolution of the potential water supply shortfall in the southeast region. That process helped develop the regionally interconnected water system in use today although capital costs and feasibility analyses were largely paid for by the parties needing the water. This required a collaborative effort and the necessary legal agreements with respect to the apportionment of capital expenditures and long-term operation and maintenance costs, ownership, and division of responsibilities throughout the life of the project. The former Southeastern WUCC demonstrated that this type of planning effort can be successful. The Central WUCC is encouraged to utilize a similar process to facilitate additional projects to meet regional needs.

DPH is encouraged to conduct regular training seminars on financial management to improve financial capacity, and specifically on the types of funding available for both large and small systems.

A variety of funding sources are possible to meet site investigation and capital improvement needs. In addition to rate adjustments and general funding sources discussed in Section 11.4, several existing programs provide grants and loans for water system projects as discussed below.

In general, outside funding sources are considered to be generally limited for water system improvements, with municipalities having more options for funding sources than private utilities. Many utilities have identified the need for a reliable source of funding for infrastructure replacement for both large and small systems. The majority of existing funding programs are loans, or highly competitive grants that may be tied to specific areas. A reliable source of such funding could address existing capital improvement needs as well as planning for future supply sources.

Development of a grant funding source for upgrading small public water systems, interconnecting or consolidating small systems with larger utilities, consolidating small systems, and for development of regional water supply solutions is recommended.

11.5.1 Drinking Water State Revolving Fund

Many projects of regional significance, as well as water system projects benefiting single utilities, could potentially receive funding through the DPH DWSRF, which provides low-interest funding for certain water supply projects. In particular, this program may be used to provide low-interest loans to fund regionalization and interconnections.

The DWSRF is based on a ranking system developed for each public water system. Small systems are prioritized for DWSRF loans, and at least 15% of the funding must be assigned to small systems annually. In addition, federal subsidies exist for loan principal forgiveness provided certain conditions are met. DPH reports that approximately 60 to 70 systems have benefited from DWSRF funding since 2000.

There has been difficulty in getting smaller systems to apply for the loans as in many cases a consultant is required to prepare the plans and bid packages necessary for the project loan, as well as complete the DPH documentation requirements. Thus, application requires additional upfront costs which can make applying for the nonguaranteed loan to not be financially viable. In general, the smaller systems that have been successful at obtaining loans from DWSRF tend to be taxing districts and other larger small systems with several hundred customers. These systems have sufficient financial resources and fiscal

planning experience to prepare grant applications and do the necessary planning to access DWSRF loans.

One of the loan requirements is that an asset management plan be in place for the system, which is something that small water systems often lack. As such, part of the loan may be used to develop an asset management plan as part of the project. On occasion, DPH is able to streamline the process, such as when generator loans were streamlined following Tropical Storm Irene, Winter Storm Alfred, and Superstorm Sandy.

In general, the WUCC believes that improvements are warranted to allow smaller community systems more flexibility to access DWSRF loans. Many utilities feel that the application process, including the forms and required documentation, needs to be reconsidered as the current process does not appear to be meeting the needs of water utilities and particularly small water systems. In addition, it has been noted that DWSRF is not always the solution for small systems because there is a long lead time whereas banks are more responsive. Small systems cannot rely on DWSRF for emergency repairs, for instance, which for small systems without asset management plans is when replacements occur.

11.5.2 Small Town Economic Assistance Program

The Small Town Economic Assistance Program (STEAP) (CGS Section 4-66g) funds economic development, community conservation, and quality-of-life capital projects for localities that are ineligible to receive Urban Action (CGS Section 4-66c) bonds. This program is administered by the Connecticut Office of Policy and Management (OPM), with funding issued by the State Bond Commission and the grants administered by various state agencies. Projects eligible for STEAP funding include:

- Economic development projects such as (a) constructing or rehabilitating commercial, industrial, or mixed-use structures and (b) constructing, reconstructing, or repairing roads, access ways, and other site improvements;
- Recreation and solid waste disposal projects;
- Social service-related projects, including day care centers, elderly centers, domestic violence and emergency homeless shelters, multipurpose human resource centers, and food distribution facilities;
- Housing projects;
- Pilot historic preservation and redevelopment programs that leverage private funds; and
- Other kinds of development projects involving economic and community development, transportation, environmental protection, public safety, children and families and social service programs.

The range of projects eligible for STEAP funding is very broad and can include the costs of land, engineering, architectural planning, and contract services needed to complete the project. As such, the use of funds is also relatively flexible. STEAP funding could potentially be used to develop new public water systems, extend water mains, or perform source improvements as part of a development project.

11.5.3 United States Department of Agriculture Rural Development Water & Environmental Programs

The USDA[20] through its Rural Development program provides technical assistance and financing necessary to develop drinking water systems in rural areas. Funding is available for the construction of water facilities in rural communities with populations of 10,000 people or less, and USDA also provides funding to organizations that provide technical assistance and training to rural communities in relation to their water activities. Examples of the USDA programs are provided below:

- Circuit Rider Program – Provides technical assistance to rural water systems that are experiencing day-to-day operational, financial, or managerial issues, and can provide energy audits.

- Emergency Community Water Assistance Grants – Helps eligible communities (local governments, nonprofit organizations, and federally recognized tribes) prepare, or recover from, an emergency that threatens the availability of safe, reliable drinking water. A federal disaster declaration is not required. Eligible areas include rural areas and towns with populations of 10,000 or less, and Tribal lands in rural areas, where the median household income is less than the state's median household income for nonmetropolitan areas. Up to $150,000 may be granted to construct water line extensions, repair breaks or leaks in existing water distribution lines, and address related maintenance necessary to replenish water supply. In addition, up to $500,000 may be granted to construct a water source, intake, or treatment facility. Partnerships for matching funds with other federal, state, local, private, and nonprofit entities are encouraged.

- Special Evaluation Assistance for Rural Communities and Households – This program helps very small, financially distressed rural communities (including local governments, nonprofits, and federally recognized tribes) with predevelopment feasibility studies, design, and technical assistance on proposed water and waste disposal projects. Eligible areas include rural areas with a population of 2,500 or less and a median household income below the poverty line, or less than 80% of the statewide nonmetropolitan median household income based on latest census data. The grants may pay to evaluate projects to construct, enlarge, extend, or improve rural water facilities and to make public or private improvements for the successful operation or protection of such facilities.

11.5.4 United States Economic Development Administration

The United States Economic Development Administration (USEDA) provides grants for water infrastructure projects. For example, the proposed water main extension in Franklin is being jointly funded by USEDA and EPA. The grant programs support development in economically distressed areas of the United States by fostering job creation and attracting private investment through making construction, non-construction, and revolving loan fund investments. The USEDA also assists eligible recipients in developing economic development plans and studies designed to build capacity and guide the economic prosperity and resiliency of an area or region through investments to guide the eventual creation and retention of high-quality jobs.

11.5.5 FEMA Hazard Mitigation Assistance Program

The FEMA Hazard Mitigation Assistance Program provides 75% of project costs for eligible projects that reduce the impact of natural hazards such as flooding. Eligible projects could include relocation of

[20] https://www.rd.usda.gov/programs-services/all-programs/water-environmental-programs

critical water mains potentially susceptible to flooding, elevation of treatment buildings, or utility hardening. Local governments with an approved and current Hazard Mitigation Plan may apply to the State of Connecticut as a sub-applicant to receive funding. Projects must demonstrate cost effectiveness (demonstrate greater quantitative benefits than costs) to be eligible for funding. Funding for certain programs is authorized by Congress on a nationally competitive basis each year, and additional funding is allocated to affected states following a federal disaster declaration.

11.5.6 Other Agencies

The ASRWWA is a private nonprofit organization that represents water and wastewater systems across Connecticut and Rhode Island providing training, technical assistance, and advocacy to small and rural water systems. ASRWWA provides on-site technical assistance for leak detection, process control, compliance, and source water and groundwater protection and can also assist with securing grants for improvements.

RCAP Solutions (www.rcapsolutions.org) is a nonprofit organization that offers many diverse and supportive programs and services, such as asset management, community surveys (such as infrastructure needs assessments, income surveys, and sanitary surveys), community and regional planning for water infrastructure and facilities development, compliance oversight, project oversight, and systems management to improve efficiency. RCAP Solutions also provides loans in underserved markets that are not typically eligible for loans through traditional resources.

12.0 RECOMMENDATIONS AND PRIORITIZATION

The recommendations identified throughout this Integrated Report are the result of a multiyear planning process, drawing on decades of experience of water utility staff and regional planners. As a result of this planning process, the following major findings were derived:

- Finding # 1: Water planning in Connecticut is rapidly advancing through numerous stakeholder efforts. While the changes are expected to be beneficial, utilities will need to make adjustments.

- Finding # 2: Regionally, sufficient water supply exists to meet existing and projected ADD through 2060 with a MOS of 1.15. However, the water is not always in the location of need. Projections of ADD for the CWSs indicate that significant supplies will be needed for certain systems by the 20-year planning period in order to maintain a MOS of 1.15. Certain individual systems will require new sources even sooner to meet MMADD. Based on existing sources and procedures for calculation of available water, CWSs in the region are projecting a supply need of approximately 0.6 mgd, 1.4 mgd, and 20.5 mgd over the 5-year, 20-year, and 50-year planning horizons, primarily to meet MMADD. The latter volume of water is unlikely to be developed within or nearby the region.

- Finding #3: The benefits of passive water conservation efforts envisioned by the *State Water Plan* would significantly reduce projected demands for many larger public water systems. When such passive water conservation savings are included, the projected supply need in the region reduces to 0.6 mgd, 1.0 mgd, and 3.5 mgd over the 5-year, 20-year, and 50-year planning horizons. These volumes of water are modest enough to potentially be developed in the region. At a minimum, utilities should review their existing rate structures and modify them as appropriate to encourage water conservation while covering the full cost of providing public water supply.

- Finding #4: A number of methods are available to reduce future water needs, including (in order of implementation) updating projections that may be out of date, authorizing reasonable additive factors to be included in available water when calculating MOS for MMADD, implementing targeted water conservation and water efficiency measures, developing interconnections or new sources to be transferred through interconnections, and developing new sources of supply. The use of targeted water conservation and water efficiency measures is expected to be a primary driver towards reducing demands and projected water supply deficits in the region. When development of new sources of supply is necessary in the future, the Central WUCC has several utilities which can be encouraged to continue evaluating potentially regionally significant source of supply options.

- Finding #5: The viability of small CWSs and the density of non-community systems in many areas continue to be concerns. Recent DPH efforts to identify systems with inadequate capacity have been greatly beneficial for both planning and regulatory purposes, and these efforts need to be continued.

- Finding #6: The 2-year planning process has brought together a diverse group of representatives from local and state government, public and privately held public water systems, and regional Councils of Government. This forum has enabled coordination of planning efforts and an exchange

of knowledge and perspectives. Continued regular meetings by the WUCC will continue to encourage regional planning efforts.

12.1 Prioritization and Implementation of Recommendations

Recommendations developed throughout the Coordinated Water System planning process by the Central WUCC are located throughout this *Integrated Report* and summarized in Table 12-1. The Central WUCC formally evaluated the importance and priority of each recommendation at its March 15, 2018 meeting prior to approving the document to be submitted for public review. The WUCC intends to work with DPH and its member utilities and Councils of Government, as well as outside committees and agencies, to implement these recommendations in the coming years.

12.2 Prioritization and Cost of Capital Improvement Projects

Given the level of variation between the status of various preliminary planning studies, particularly the fact that many of the proposed capital improvement projects have only been conceptually evaluated, many yield estimates are uncertain, and cost estimates have not been developed, prioritization of capital improvement projects is not appropriate at this time. This process is therefore deferred for further consideration by WUCC members as projects advance through planning stages. Potential capital improvement projects may include the following:

- Consolidation or interconnections of small CWSs near larger utilities where consolidation or interconnection is found to be the preferred option for daily supply, or for emergency purposes (Section 4.3, Section 5.3);
- Consolidation of CWC-Collinsville and CWC-Unionville systems (Section 5.3);
- Development of new supply source(s) and interconnection to serve proposed East Hampton WPCA system (Section 5.3, Section 7.1, Section 7.2);
- Extension of CWC-Guilford system and consolidation of shoreline systems (including single-wellfield systems) in Old Lyme, with interconnection to East Lyme (Section 5.3, Section 5.4), potentially through development of regionally significant sources of supply (Section 7.1);
- Development of interconnections for Southington Water Department (Section 5.3, Section 5.4);
- Development of interconnection between Middletown Water Department and Connecticut Valley Hospital, which utilizes a single distribution reservoir (Section 5.4);
- Development of an interconnection with WWW, which utilizes a single reservoir (Section 5.4);
- Development of emergency interconnections to extend the regionally-interconnected water system in the region (utilities to consider interconnections include AWC – Simsbury and Avon Water Company, AWC – Simsbury and Salmon Brook District Water Department, Berlin Water Control Commission and Meriden Water Division, Connecticut Correctional Institute and CWC – Western, Cromwell Fire District and MDC, Hazardville Water Company and CWC – Western, Manchester Water Department and CWC – Western and/or MDC, Middletown Water Department with Berlin Water Control Commission and Cromwell Fire District, Wallingford Water Division and Meriden Water Division (Section 5.4));
- Interconnecting with or consolidating small CWSs or non-community systems along or near the installation route of an interconnection project (Section 5.4); and
- Joint development of new supply sources by multiple utilities (Section 6.1).

TABLE 12-1: Prioritization and Implementation of Non-Capital Improvement Recommendations

Topic Area	Goal	Recommended Strategies for Central WUCC	Lead(s)	Timeframe
Responsible Planning	Prevent proliferation of water systems when other options are available	1. Encourage WUCC members to petition the WUCC for revision of ESA boundaries where appropriate to prevent creation of unnecessary consecutive water systems across ESA boundaries	WUCC	Ongoing
		2. As part of the process for providing a recommendation on the development of new water systems, evaluate the proximity of other nearby water systems and the potential for consolidating the proposed water system with an existing water system	WUCC	Ongoing
		3. Encourage DPH and the Water Planning Council to address, through regulations and/or procedures, the proliferation of multiple water systems in close proximity to one another	WUCC	Immediately
	Work towards constructive changes to statutes and regulations	4. Explore and provide recommendations regarding appropriate modifications to the defintion of available water to allow for reasonable additive factors (contract maximums, supplemental sources, demand ratios from safe yield models, etc.) to be included when calculating MOS for MMADD	WUCC, DPH	Immediately
		5. Explore and provide recommendations to streamline the sale of excess water permit process and eliminate the requirement in certain instances to foster regionalization	WUCC, DPH	By 2023
		6. Review the state minimum design criteria for new public water systems every 5 years to ensure the development of reliable water systems with proper technical, managerial, and financial capacity	WUCC, DPH	1st Review By 2023
		7. Support DPH's efforts to develop regulations to ensure the standardized and consistent development of new non-community water systems	WUCC	Immediately
		8. Consider development of a streamlined CPCN process for small utilities desiring a minimal degree of expansion instead of the 5-percent rule	WUCC, DPH	By 2023
		9. Review data requirements for WSPs, CWSPs, and state water planning needs (e.g. basin-level withdrawal and return flow data) to determine if revisions to the data requirements are necessary to ensure submission of data that is useful for multiple planning purposes	WUCC, DPH, DEEP	By 2030
	Develop and use best-available data	10. Re-evaluate the timing of regional capital improvements as the results of system-specific safe yield revisions accounting for full implementation of the Streamflow Standards and Regulations become available	WUCC, Utilities	By 2023
		11. Update in the CWSP the projected demands as new individual WSPs are completed and incorporate into the regional projections including the refinement of the impacts of the Streamflow Regulations	WUCC, DPH	Ongoing
		12. Provide annual updates to the WUCC on the status of small systems based on the CAT	DPH, WUCC	Ongoing
		13. Keep WUCC informed regarding potentially regionally significant water supply sources	Utilities	Ongoing
		14. Revise water demand projections that may be out of date	Utilities	By 2023
		15. Encourage utilities utilizing local design standards to adopt such standards, provide them in written format to developers at the beginning of the CPCN process, and reference such standards in a development agreement	WUCC	By 2023
		16. Provide Geographic Information System data appropriate for regional planning to COGs, including ESA boundaries and general public water system service locations (such as spatial data presented in the CWSP)	DPH	Immediately, Ongoing
		17. Review and improve accuracy of spatial data regarding the locations of non-community water systems	DPH	By 2023
		18. Consider requiring all public water systems to report water usage on an annual basis	DPH, WUCC	By 2023
		19. Encourage PURA and DPH to develop a risk-based approach to be used to better evaluate the condition of systems and apply projected costs into takeover and ratemaking proceedings	WUCC	By 2030
		20. Require training in asset management and related recordkeeping for small water system owners	DPH	By 2023
	Improve education of small system owners	21. Encourage small system owners to self-evaluate their status and consider implementation of one or more options based on the recommendations in Section 4.3 and have DPH annually report on the status of such actions to the WUCC	DPH, WUCC	Ongoing
		22. Work with small water systems owned and operated by voluntary associations to determine pathways for improving technical, managerial, and financial capacity and have DPH annually report on the status of such actions to the WUCC	DPH, WUCC	Ongoing
		23. Encourage small systems to work with nonprofit orgnaizations such as RCAP Solutions or the ASRWWA to increase managerial capacity such as for asset management and have DPH annually report on the status of such actions to the WUCC	DPH, WUCC	Ongoing
		24. Encourage ESA holders to coordinate and work with the small CWSs within their respective ESAs	WUCC, DPH	Ongoing
		25. Provide education and oversight regarding management of non-community systems	DPH	Ongoing
	Foster and support interagency planning between utilities, COGs, municipalities, and state government	26. Develop strategies to involve small CWSs and non-community water systems in the WUCC planning process	WUCC, DPH	Ongoing
		27. Encourage local municipalities to consider the following in their POCDs: ESAs, future water service extension potential, desired public water service areas, and water management through zoning regulations	COGs	Ongoing
Drought Management	Consider methods to improve enforcement of water use restrictions	28. Work with agencies and committees considering drought management to evaluate the model ordinance and consider legislative authority for water utilities to enforce restrictions under certain conditions	WUCC	By 2023
	Consider methods to improve timing of activation of drought triggers and water use restrictions	29. Work with agencies and committees considering drought management to evaluate trigger criteria, forecasting models, and other methods to coordinate drought planning and response	WUCC	By 2023

TABLE 12-1: Prioritization and Implementation of Non-Capital Improvement Recommendations

Topic Area	Goal	Recommended Strategies for Central WUCC	Lead(s)	Timeframe
Source Protection	Encourage prudent development and conservation of existing large, protected watersheds	30. Implement the DWQMP process (potential candidate utilities include CWC, MDC, SCCRWA, and WWW)	Utilities, DPH	By 2023
		31. Pursue modification of CGS 8-30g to more strongly consider source water protection concerns in reservoir watersheds and APAs	DPH	By 2023
		32. Coordinate with local planners during POCD updates to identify areas of development density that may be incompatible with reservoir watersheds and APAs and to coordinate with other watershed towns regarding source protection planning	Utilities, COGs	Ongoing
	Improve stormwater quality in watersheds and aquifer recharge areas	33. Promote the adoption of best management practices for the use of green infrastructure in stormwater management design and rainwater capture for landscaping	Utilities	By 2023
		34. Improve collaboration with local plowing contractors, public works staff, and the State Department of Transporation to minimize chloride impacts to public water supply sources	Utilities	By 2023
	Consider methods to improve enforcement capabilities	35. Evaluate and provide recommendations regarding methods of improving enforcement to prevent activities on private property that may lead to reservoir or aquifer contamination	WUCC	By 2023
Water Conservation	Consider and encourage methods for water systems to utilize to enhance water efficiency	36. Explore and provide recommendations regarding various methods of reducing unaccounted-for water	WUCC	Ongoing
		37. Explore and provide recommendations regarding the use of alternative methods for tracking water usage, water loss, and waste	WUCC	Ongoing
		38. Explore and provide recommendations regarding the use of outdoor water use restrictions to be applied seasonally	WUCC	Ongoing
		39. Encourage utilities to modify rate structures to promote water conservation while covering the full cost to provide water	WUCC	Ongoing
		40. Annually identify opportunities for the purchase and joint use of water-saving equipment, such as truck-mounted flushing systems which flush mains without blowing off water to waste	WUCC	Ongoing
		41. Develop and enact targeted water conservation and water efficiency programs	Utilities, DPH	By 2023
	Consider alternative means to supply nonpotable uses	42. Encourage the use of Class B water for nonpotable uses within service area boundaries	WUCC, DPH	Ongoing
		43. Encourage the use of gray water reuse systems in new developments to reduce demands on potable water (e.g. include on local development review checklist)	WUCC, DPH	Ongoing
	Consider legislation to improve water conservation	44. Explore and provide recommendations regarding state and local legislation to further regulate demand-side water conservation	WUCC, DPH	By 2030
	Encourage dissemination of water conservation information	45. Encourage local planners to include discussions in POCDs on the importance of water conservation	COGs, Utilities	Ongoing
Resiliency	Ensure methods of calculating safe yield are consistent with climate change	46. Review safe yield regulations every 10 years to determine if data inputs (e.g., evaporation rate) and assumptions continue to be valid in light of the effects of climate change on rainfall and runoff patterns, and revise regulations if necessary	WUCC, DPH	1st Review By 2030
		47. Encourage DEEP/USGS to monitor regional groundwater levels to detect trends that may impact safe yield	WUCC	Ongoing
	Correct disparities in existing regulations	48. Update the public health code to require new wells to be elevated to the 0.2% annual chance flood elevation	DPH	By 2030
	Improve resiliency of public water systems	49. Develop redundant infrastructure, backup power, and increase system storage and conduct more comprehensive emergency response planning to improve resiliency	Utilities	Ongoing
		50. Encourage small systems with the potential to develop emergency interconnections to do so	DPH, WUCC	Ongoing
		51. Initiate planning for development of interconnections or new supply sources for systems with only one source of supply (reservoir or wellfield)	WUCC, Utilities	By 2023
		52. Develop procedures and secure permits to promote regional use of supplies during short-term planned and unplanned events resulting in loss of supply (e.g. Intra-Regional Water Supply Response Plan for Southeastern Connecticut)	WUCC, Utilities	Ongoing
		53. Assist systems in conducting asset management planning and developing formal infrastructure replacement programs	DPH	Ongoing
	Develop and use best-available data	54. Re-evaluate reservoir release requirements in light of changing rainfall and runoff patterns as USGS StreamStats is updated	Utilities	Ongoing
Funding	Improve availability of funding for desirable projects	55. Develop a dedicated source of grant funding to allow for the consolidation of small water systems located in close proximity	DPH	Immediately
		56. Develop a dedicated source of grant funding to allow for infrastructure projects to improve resiliency, such as allowing existing and new interconnections to operate in two directions where appropriate	DPH	Immediately
		57. Provide funding assistance for Councils of Government staff to monitor and inform local land use commissions regarding source water protection, ESA boundaries, and regional water supply challenges	DPH, OPM	Immediately
		58. Conduct regular seminars on financial management and the types of funding available for capital improvement projects	DPH	Ongoing
		59. Develop a dedicated source of grant funding for small system improvements	DPH	Immediately
		60. Develop a dedicated source of grant funding for regional water supply solutions	DPH	Ongoing
		61. Improve the accessibility of DWSRF loans for small water systems, such as through a streamlined process for certain types of improvements	DPH	Immediately
		62. Encourage DPH and the Water Planning Council to develop a dedicated source of funding to support periodic updates to the regional WUCC data to reflect updated safe yield calculations and individual utility projections	WUCC	Immediately
	Encourage joint use arrangements to reduce costs	63. Encourage the use of the Intertown Capital Equipment Purchase Incentive Program (for municipal systems) as well as other arrangements to share equipment, resources, and operational staff and increase purchasing power	WUCC	Ongoing

In addition to whether a capital improvement project can reliably meet a portion or all of a regional need, the WUCC may use this document for guidance towards prioritizing potential projects in the future. The questions regarding climate change and resiliency from Section 2.4.3 should be considered, as well as the potential impacts on other uses of water resources outlined in Section 8.0. Furthermore, the WUCC is encouraged to evaluate the potential impact to stressed regional basins (and stressed sub-regional basins if such data is developed in the future) when it considers the development of regional capital improvement projects. Finally, the WUCC is encouraged to consider metrics such as project costs per gallon as a way to compare the financial viability of multiple projects.

APPENDED TABLES

Appended Table 1: Existing ADD and Available Water for Community Water Systems (mgd)

Community Water System	2015-2016 Residential Service Area Population	Residential Per-Capita Demand (gpcd)	2015-2016 Residential Demand	2015-2016 Non-Residential Demand	2015-2016 Unaccounted-for Water	Percent Unaccounted-for Water	2015-2016 Total ADD	2015-2016 Water Sold to Other Utilities	2015-2016 System ADD	Existing Available Water (ADD) from Sources	Existing Available Water (ADD) from Interconnections	Existing Total Available Water (ADD) for System	Water Purchased from Other Utilities	Available Water Surplus / Deficit for Total ADD
166 & 180 Boston Turnpike	31	16	0.001	-	-	-	0.001	-	0.001	0.050		0.050		0.050
298-302 Albany Turnpike	28	75	0.002	-	-	-	0.002	-	0.002	0.006		0.006		0.004
31 Grist Mill Rd	19	118	0.002	-	-	-	0.002	-	0.002	0.031		0.031		0.029
890 Boston Turnpike	60	75	0.005	-	-	-	0.005	-	0.005	0.032		0.032		0.028
Aaron Manor Nursing & Rehab Center	81	75	0.006	-	-	-	0.006	-	0.006	0.017		0.017		0.011
Abby Water LLC	100	75	0.008	-	-	-	0.008	-	0.008	0.027		0.027		0.020
Ah 2 LLC (formerly Woods Edge Apartments, LLC)	96	38	0.004	-	-	-	0.004	-	0.004	0.019		0.019		0.016
Apple Valley Village	70	93	0.007	-	-	-	0.007	-	0.007	0.050		0.050		0.044
Aquarion Water Co of CT - W Service Corp	595	71	0.042	0.000	0.003	6.7%	0.046	-	0.046	0.050		0.050		0.004
Aquarion Water Co of CT-Birchwood Estate	251	48	0.012	-	0.011	48.4%	0.023	-	0.023	0.010		0.010		(0.014)
Aquarion Water Co of CT-East Hampton Div	189	34	0.006	-	0.001	10.9%	0.007	-	0.007	0.008		0.008		0.001
Aquarion Water Co of CT-Simsbury System	15,130	84	1.264	0.334	0.428	21.1%	2.026	-	2.026	4.908	-	4.908	-	2.882
Aquarion Water Co of CT-Valley View	131	46	0.006	-	0.000	2.3%	0.006	-	0.006	0.013		0.013		0.007
Avon Water Co	12,025	85	1.019	0.616	0.075	4.4%	1.710	0.057	1.653	4.777	-	4.777		3.067
Baxter Farms Community Water Assoc	175	75	0.013	-	-	-	0.013	-	0.013	0.031		0.031		0.018
Bellwood Court	31	75	0.002	-	-	-	0.002	-	0.002	0.008		0.008		0.005
Berlin Water Control Commission	6,862	69	0.471	0.407	0.150	14.5%	1.028	0.218	0.810	0.756	1.600	2.356	0.743	1.328
Bethany Mobile Home Park	138	75	0.010	-	-	-	0.010	-	0.010	0.050		0.050		0.040
Bittersweet Ridge Water Association	40	75	0.003	-	-	-	0.003	-	0.003	0.010		0.010		0.007
Blue Trails Water Association	456	75	0.034	-	-	-	0.034	-	0.034	0.082		0.082		0.048
Boxwood Condominium Association	28	75	0.002	-	-	-	0.002	-	0.002	0.011		0.011		0.009
Carriage House Apartments	196	75	0.015	-	-	-	0.015	-	0.015	0.050		0.050		0.035
Cedar Ridge Apartments	300	75	0.023	-	-	-	0.023	-	0.023	0.017		0.017		(0.005)
Chadwick Homeowners Assn., Inc.	292	75	0.022	-	-	-	0.022	-	0.022	0.050		0.050		0.028
Chatham Acres Elderly Housing	50	75	0.004	-	-	-	0.004	-	0.004	0.050		0.050		0.046
Chatham Apartments	40	75	0.003	-	-	-	0.003	-	0.003	0.043		0.043		0.040
Chelsea Common Condominium Association	126	32	0.004	-	-	-	0.004	-	0.004	0.030		0.030		0.026
Chestelm Health & Rehabilitation Center	120	58	0.007	-	-	-	0.007	-	0.007	0.019		0.019		0.012
Club House Apartments	115	75	0.009	-	-	-	0.009	-	0.009	0.014		0.014		0.005
Cobalt Lodge Healthcare & Rehab Center (Z, Inc.)	130	33	0.004	-	-	-	0.004	-	0.004	0.050		0.050		0.046
Connecticut Correctional Institute	5,370	91	0.489	0.057	0.234	30.0%	0.780	-	0.780	1.300	-	1.300	-	0.520
Connecticut Valley Hospital	816	88	0.072	0.229	-	-	0.301	-	0.301	0.693	-	0.693	-	0.392
Cook Drive Association	49	116	0.006	-	-	-	0.006	-	0.006	0.011		0.011		0.005
Coventry Housing Authority-Lower System	80	27	0.002	-	-	-	0.002	-	0.002	0.043		0.043		0.041
Coventry Housing Authority-Upper System	80	18	0.001	-	-	-	0.001	-	0.001	0.017		0.017		0.016
Cromwell Fire District Water Department	14,316	74	1.052	0.578	0.158	8.8%	1.787	0.076	1.711	7.870		7.870		6.083
CTWC - Amston Lake Division	910	31	0.028	-	-	-	0.028	-	0.028	0.044		0.044		0.016
CTWC - Baker Hill Division	203	29	0.006	-	-	-	0.006	-	0.006	0.029		0.029	0.000	0.023
CTWC - Banner Village	265	24	0.006	-	0.003	31.9%	0.009	-	0.009	0.050		0.050		0.041
CTWC - Birchwood Heights	76	28	0.002	-	0.000	9.7%	0.002	-	0.002	0.015		0.015		0.013
CTWC - Chimney Hill	227	103	0.023	-	0.015	38.4%	0.038	-	0.038	-	0.050	0.050	0.038	0.012
CTWC - Columbia Heights Div.	32	150	0.005	-	-	-	0.005	-	0.005	0.018		0.018		0.013
CTWC - Country Manor Apartments	72	40	0.003	-	-	-	0.003	-	0.003	0.027		0.027		0.024
CTWC - Coventry Hills Div	700	44	0.031	-	-	-	0.031	-	0.031	0.050		0.050		0.019
CTWC - Crystal Springs Div.	169	36	0.006	-	-	-	0.006	-	0.006	0.021		0.021		0.015
CTWC - Florence Lord (Mash)	30	35	0.001	-	-	-	0.001	-	0.001	0.034		0.034		0.033
CTWC - Forest Homes Division	100	45	0.005	-	-	-	0.005	-	0.005	0.005		0.005		0.001
CTWC - General Water Division	306	45	0.014	-	0.004	20.9%	0.017	-	0.017	0.043		0.043		0.026
CTWC - Green Springs System	104	41	0.004	-	0.000	2.6%	0.004	-	0.004	0.028		0.028		0.024
CTWC - Hebron Center Division	235	50	0.012	0.018	0.001	2.3%	0.031	-	0.031	0.050	-	0.050	-	0.019
CTWC - Jensens Beechwood System	750	40	0.030	-	-	-	0.030	-	0.030	0.050		0.050		0.020
CTWC - Lake Hayward	650	8	0.005	-	0.004	43.1%	0.009	-	0.009	0.050		0.050		0.041
CTWC - Legend Hill System	247	35	0.009	0.004	0.001	9.2%	0.014		0.014	0.050		0.050		0.036
CTWC - London Park Division	221	38	0.008	-	0.001	13.1%	0.010	-	0.010	0.050		0.050		0.040
CTWC - Marlborough Gardens	110	35	0.004	-	-	-	0.004	-	0.004	0.024		0.024		0.020
CTWC - Mill At Stonecroft Div	127	65	0.008	-	-	-	0.008	-	0.008	0.036		0.036		0.027
CTWC - Naugatuck Reg-Collinsville Sys	5,259	71	0.374	0.091	0.005	1.0%	0.470	-	0.470	-	1.300	1.300	0.479	0.830

Appended Table 1: Existing ADD and Available Water for Community Water Systems (mgd)

Community Water System	2015-2016 Residential Service Area Population	Residential Per-Capita Demand (gpcd)	2015-2016 Residential Demand	2015-2016 Non-Residential Demand	2015-2016 Unaccounted-for Water	Percent Unaccounted-for Water	2015-2016 Total ADD	2015-2016 Water Sold to Other Utilities	2015-2016 System ADD	Existing Available Water (ADD) from Sources	Existing Available Water (ADD) from Interconnections	Existing Total Available Water (ADD) for System	Water Purchased from Other Utilities	Available Water Surplus / Deficit for Total ADD
CTWC - Northern Region-Lakeview Terrace	472	26	0.012	-	0.003	19.5%	0.015	-	0.015	0.022		0.022		0.007
CTWC - Northern Region-Lakewood	256	20	0.005	-	0.001	19.5%	0.006	-	0.006	0.009		0.009		0.002
CTWC - Northern Reg-Llynwood System	384	31	0.012	-	-	-	0.012	-	0.012	0.041		0.041		0.029
CTWC - Northern Reg-Nathan Hale System	160	29	0.005	-	-	-	0.005	-	0.005	0.016		0.016		0.011
CTWC - Northern Reg-Reservoir Heights	62	65	0.004	-	0.001	17.2%	0.005	-	0.005	-	0.007	0.007	0.005	0.002
CTWC - Northern Reg-Stafford System	2,292	60	0.138	0.327	0.108	18.9%	0.573	-	0.573	0.700	-	0.700	-	0.127
CTWC - Northern Reg-Western System	83,618	68	5.722	2.409	1.674	17.1%	9.805	0.040	9.765	17.443	0.040	17.483	0.178	7.678
CTWC - Pilgrim Hills Division	229	61	0.014	-	-	-	0.014	-	0.014	0.050		0.050		0.036
CTWC - Pinewoods Lane Div	68	17	0.001	-	-	-	0.001	-	0.001	0.019		0.019		0.018
CTWC - Redwood Farms Division	424	35	0.015	-	0.000	1.5%	0.015	-	0.015	0.050		0.050		0.035
CTWC - Rivercrest Division	88	23	0.002	-	-	-	0.002	-	0.002	0.050		0.050		0.048
CTWC - Riversedge Division	179	35	0.006	0.003	0.003	22.6%	0.012	-	0.012	-	0.030	0.030	0.012	0.018
CTWC - Sachem Village Condo	166	28	0.005	-	0.001	20.4%	0.006	-	0.006	0.050		0.050		0.044
CTWC - Shoreline Reg-Chester Vllg West	216	28	0.006	-	-	-	0.006	-	0.006	0.015	-	0.015		0.009
CTWC - Shoreline Region-Chester System	5,670	60	0.343	0.157	0.085	14.5%	0.585	-	0.585	1.340	-	1.340		0.755
CTWC - Shoreline Region-Guilford System	39,117	57	2.242	0.880	0.761	19.6%	3.883	-	3.883	6.060	1.000	7.060	0.116	3.177
CTWC - Shoreline Region-Point O Woods	926	34	0.031	0.000	0.019	37.7%	0.051	-	0.051	0.111	-	0.111	-	0.060
CTWC - Shoreline Region-Sound View	1,780	26	0.047	0.006	0.003	5.4%	0.056	-	0.056	0.162	-	0.162	-	0.106
CTWC - South Coventry System	501	51	0.025	-	0.004	13.9%	0.030	-	0.030	0.048		0.048		0.018
CTWC - Spice Hill Division	712	40	0.028	-	-	-	0.028	-	0.028	0.049		0.049	0.000	0.020
CTWC - Unionville System	15,902	96	1.524	0.526	0.135	6.2%	2.185	-	2.185	2.505	0.650	3.155	0.764	0.970
CTWC - Wellswood Village Div	60	52	0.003	-	-	-	0.003	-	0.003	0.016		0.016		0.013
CTWC - Westchester East	153	32	0.005	-	-	-	0.005	-	0.005	0.039		0.039		0.034
Dartmouth Village Elderly Housing	25	75	0.002	-	-	-	0.002	-	0.002	0.050		0.050		0.048
Deer Park Apartments	125	75	0.009	-	-	-	0.009	-	0.009	0.050		0.050		0.041
Durham Center Division	140	75	0.011	-	-	-	0.011	-	0.011	0.050	0.220	0.270		0.260
Durham Elderly Housing Division	50	75	0.004	-	-	-	0.004	-	0.004	0.050		0.050		0.046
Durham Lexington Place Division	45	75	0.003	-	-	-	0.003	-	0.003	0.050		0.050		0.047
East Hampton WPCA - Royal Oaks System	328	34	0.011	0.001	0.001	7.0%	0.013		0.013	0.040		0.040		0.027
East Hampton WPCA - Village Center	366	8	0.003	0.006	0.001	7.0%	0.010		0.010	0.021		0.021		0.012
East Windsor Housing Authority	94	75	0.007	-	-	-	0.007	-	0.007	0.022		0.022		0.015
Eastview Kozley Water Association	60	75	0.005	-	-	-	0.005	-	0.005	0.018		0.018		0.014
Edgemere Condominium Assn., Inc.	540	75	0.041	-	-	-	0.041	-	0.041	0.050		0.050		0.010
Ethel Walker School	325	75	0.024	-	-	-	0.024	-	0.024	0.050		0.050		0.026
Evergreen Trailer Park - System #1	45	46	0.002	-	-	-	0.002	-	0.002	0.019		0.019		0.017
Evergreen Trailer Park - System #2	35	39	0.001	-	-	-	0.001	-	0.001	0.015		0.015		0.014
Evergreen Trailer Park - System #3	68	49	0.003	-	-	-	0.003	-	0.003	0.029		0.029		0.026
Evergreen Trailer Park - System #4	110	75	0.008	-	-	-	0.008	-	0.008	0.021		0.021		0.012
Franklin Academy	81	75	0.006	-	-	-	0.006	-	0.006	0.030		0.030		0.024
Goodspeed Actor Housing - The Village	40	75	0.003	-	-	-	0.003	-	0.003	0.022		0.022		0.019
GQC Well Commission	360	43	0.016	-	-	-	0.016	-	0.016	0.050		0.050		0.034
Grant Hill Associates, Inc.	97	75	0.007	-	-	-	0.007	-	0.007	0.045		0.045		0.038
Hazardville - Rye Hill System	352	72	0.025	-	0.003	10.9%	0.028	-	0.028	-	0.100	0.100	0.028	0.072
Hazardville Water Company	18,310	62	1.136	0.214	0.162	10.7%	1.511	0.002	1.510	4.435	-	4.435		2.924
Hebron Arms Apartments	39	25	0.001	-	-	-	0.001	-	0.001	0.019		0.019		0.018
Hemlock Apartments	72	29	0.002	-	-	-	0.002	-	0.002	0.026		0.026		0.024
Heritage Cove Condominiums	208	75	0.016	-	-	-	0.016	-	0.016	0.050		0.050		0.034
High Meadow	38	75	0.003	-	-	-	0.003	-	0.003	0.011		0.011		0.008
Hillside Condominiums	96	35	0.003	-	-	-	0.003	-	0.003	0.050		0.050		0.047
Hillside Corporation	136	75	0.010	-	-	-	0.010	-	0.010	0.018		0.018		0.008
Hop River Homes	26	75	0.002	-	-	-	0.002	-	0.002	0.038		0.038		0.036
Hunting Lodge Apartments	115	75	0.009	-	-	-	0.009	-	0.009	0.035		0.035		0.026
Ivy Woods	207	29	0.006	-	-	-	0.006	-	0.006	0.050		0.050		0.044
Johnson Memorial Hospital, Inc	250	75	0.019	-	-	-	0.019	-	0.019	0.050		0.050		0.031
Juniper Club Inc.	104	75	0.008	-	-	-	0.008	-	0.008	0.027		0.027		0.019
Kensington Fire District	7,553	70	0.529	0.184	0.097	12.0%	0.810	-	0.810	-	0.810	0.810	0.810	-
Knollwood Acres Apartments	312	75	0.023	-	-	-	0.023	-	0.023	0.050		0.050		0.027

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Community Water System	2015-2016 Residential Service Area Population	Residential Per-Capita Demand (gpcd)	2015-2016 Residential Demand	2015-2016 Non-Residential Demand	2015-2016 Unaccounted-for Water	Percent Unaccounted-for Water	2015-2016 Total ADD	2015-2016 Water Sold to Other Utilities	2015-2016 System ADD	Existing Available Water (ADD) from Sources	Existing Available Water (ADD) from Interconnections	Existing Total Available Water (ADD) for System	Water Purchased from Other Utilities	Available Water Surplus / Deficit for Total ADD
Lakeview Estates	78	75	0.006	-	-	-	0.006	-	0.006	0.050		0.050		0.044
Laurel Heights Association, Inc.	45	75	0.003	-	-	-	0.003	-	0.003	0.009		0.009		0.005
Laurel Hill Water Association	86	75	0.006	-	-	-	0.006	-	0.006	0.024		0.024		0.017
Lyme Academy Apartments,LLC	48	75	0.004	-	-	-	0.004	-	0.004	0.050		0.050		0.046
Lyme Regis, Inc.	32	50	0.002	-	-	-	0.002	-	0.002	0.009		0.009		0.007
Lymewood Elderly Housing	50	75	0.004	-	-	-	0.004	-	0.004	0.050		0.050		0.046
M&M Realty Holdings LLC	32	75	0.002	-	-	-	0.002	-	0.002	0.050		0.050		0.048
Mallard Cove Condominium Assn.	177	45	0.008	-	-	-	0.008	-	0.008	0.050		0.050		0.042
Manchester Water Department	54,425	66	3.592	0.558	0.790	16.0%	4.940	0.005	4.935	9.179	-	9.179	-	4.239
Mansfield Village, LLC	40	39	0.002	-	-	-	0.002	-	0.002	0.010		0.010		0.009
Maplewood Apartments	153	75	0.011	-	-	-	0.011	-	0.011	0.025		0.025		0.013
Markowski Farms	155	75	0.012	-	-	-	0.012	-	0.012	0.038		0.038		0.026
Marlborough Health Care Center, Inc	165	75	0.012	-	-	-	0.012	-	0.012	0.028		0.028		0.016
Meadowbrook Apartments, LLC	60	75	0.005	-	-	-	0.005	-	0.005	0.050		0.050		0.046
Meadowbrook Manor LLC	30	75	0.002	-	-	-	0.002	-	0.002	0.010		0.010		0.008
Meriden Water Division	59,611	55	3.279	0.861	0.970	19.0%	5.109	0.002	5.107	6.110	-	6.110	-	1.001
Metacomet Homes-Well 1	27	75	0.002	-	-	-	0.002	-	0.002	0.009		0.009		0.007
Metacomet Homes-Well 2	36	75	0.003	-	-	-	0.003	-	0.003	0.009		0.009		0.006
Metropolitan District Commission	390,887	66	25.690	15.392	10.560	20.4%	51.642	1.698	49.944	77.100		77.100		25.458
Miami Beach Water Company	440	75	0.033	-	-	-	0.033	-	0.033	0.050		0.050		0.017
Middlefield Housing Authority	62	75	0.005	-	-	-	0.005	-	0.005	0.009		0.009		0.004
Middletown Water Department	43,382	64	2.776	0.454	0.399	11.0%	3.630	-	3.630	7.254	-	7.254	-	3.624
Mile Creek Apartments	60	75	0.005	-	-	-	0.005	-	0.005	0.014		0.014		0.010
Natural Park Apartments, LLC	60	75	0.005	-	-	-	0.005	-	0.005	0.043		0.043		0.039
New Britain Water Department	73,534	73	5.368	3.703	0.379	4.0%	9.450	1.727	7.723	12.640	5.000	17.640	-	8.190
Nod Hill Apartments	48	75	0.004	-	-	-	0.004	-	0.004	0.008		0.008		0.004
North Willington Village Condo Assoc.	66	75	0.005	-	-	-	0.005	-	0.005	0.029		0.029		0.024
Northford Glen Condominium Association	84	75	0.006	-	-	-	0.006	-	0.006	0.050		0.050		0.044
Norwegian Woods Apartments	252	75	0.019	-	-	-	0.019	-	0.019	0.043		0.043		0.024
Oak Grove Senior Housing Corp	72	75	0.005	-	-	-	0.005	-	0.005	0.013		0.013		0.008
Old Indian Trail	32	75	0.002	-	-	-	0.002	-	0.002	0.013		0.013		0.011
Old Newgate Ridge Water Company Inc	208	75	0.016	-	-	-	0.016	-	0.016	0.050		0.050		0.034
Orchard Acres Association	176	75	0.013	-	-	-	0.013	-	0.013	0.032		0.032		0.019
Orchard Hill Association	30	67	0.002	-	-	-	0.002	-	0.002	0.050		0.050		0.048
Portland Water Department	4,200	110	0.460	0.135	0.070	10.5%	0.665	-	0.665	0.300	1.100	1.400	0.447	0.735
Quonnipaug Hills - Main System	564	75	0.042	-	-	-	0.042	-	0.042	0.048		0.048		0.005
Quonnipaug Hills - Section I	27	75	0.002	-	-	-	0.002	-	0.002	0.010		0.010		0.008
Reja - Rainbow Spring Water Company	11	245	0.003	-	-	-	0.003	-	0.003	0.050		0.050		0.047
Renwood Apartments	190	75	0.014	-	-	-	0.014	-	0.014	0.050		0.050		0.036
Ridgeview Heights	96	75	0.007	-	-	-	0.007	-	0.007	0.050		0.050		0.043
Ridgewood Hills Association, System #1	18	75	0.001	-	-	-	0.001	-	0.001	0.019		0.019		0.018
Ridgewood Hills Association, System #2	18	75	0.001	-	-	-	0.001	-	0.001	0.019		0.019		0.018
Ridgewood Hills Association, System #3	18	75	0.001	-	-	-	0.001	-	0.001	0.019		0.019		0.018
Ridgewood Hills Association, System #4	18	75	0.001	-	-	-	0.001	-	0.001	0.019		0.019		0.018
Riverdale Properties, Inc.	96	75	0.007	-	-	-	0.007	-	0.007	0.050		0.050		0.043
Rockridge Condominiums	144	75	0.011	-	-	-	0.011	-	0.011	0.050		0.050		0.039
Rye Field Manor Elderly Housing	78	75	0.006	-	-	-	0.006	-	0.006	0.016		0.016		0.010
Safe Harbor, Inc.	50	75	0.004	-	-	-	0.004	-	0.004	0.050		0.050		0.046
Salmon Brook District Water Dept	934	75	0.070	0.063	0.029	18.0%	0.162		0.162	0.269	-	0.269	-	0.107
Saybrook At Haddam	155	75	0.012	-	-	-	0.012	-	0.012	0.019		0.019		0.008
SCCRWA	382,224	52	19.876	14.502	4.249	11.0%	38.627	0.116	38.511	69.100		69.100		30.473
School Hill Association, Inc.	77	87	0.007	-	-	-	0.007	-	0.007	0.013		0.013		0.006
Shaker Heights Water Company	172	83	0.014	-	-	-	0.014	-	0.014	0.050		0.050		0.036
Sharon Heights Water Association	51	75	0.004	-	-	-	0.004	-	0.004	0.032		0.032		0.029
Southington Water Department	42,596	60	2.556	0.769	0.453	12.0%	3.778	-	3.778	7.000	-	7.000	-	3.222
Southridge Park Apartments	50	75	0.004	-	-	-	0.004	-	0.004	0.050		0.050		0.046
Stafford Hollow Water Association	429	75	0.032	-	-	-	0.032	-	0.032	0.050		0.050		0.018

Appended Table 1: Existing ADD and Available Water for Community Water Systems (mgd)

Community Water System	2015-2016 Residential Service Area Population	Residential Per-Capita Demand (gpcd)	2015-2016 Residential Demand	2015-2016 Non-Residential Demand	2015-2016 Unaccounted-for Water	Percent Unaccounted-for Water	2015-2016 Total ADD	2015-2016 Water Sold to Other Utilities	2015-2016 System ADD	Existing Available Water (ADD) from Sources	Existing Available Water (ADD) from Interconnections	Existing Total Available Water (ADD) for System	Water Purchased from Other Utilities	Available Water Surplus / Deficit for Total ADD
Stone Pond Condominiums	141	75	0.011	-	-	-	0.011	-	0.011	0.050		0.050		0.039
Sunset Apartments LLC	46	75	0.003	-	-	-	0.003	-	0.003	0.050		0.050		0.047
Sylvan Ridge Condominiums	84	75	0.006	-	-	-	0.006	-	0.006	0.039		0.039		0.033
Tariffville Fire District Water Dept	1,371	60	0.082	0.016	0.009	8.0%	0.107	-	0.107	0.252	-	0.252	-	0.145
Tolland Water Department	1,653	35	0.058	0.051	0.027	20.1%	0.136	0.012	0.125	0.304	-	0.304	-	0.168
Tolland Water Dept - Torry Road	204	46	0.009	0.002	0.001	7.1%	0.012	-	0.012	-	0.012	0.012	0.012	-
Turkey Hill of East Granby, LLC	360	68	0.025	-	-	-	0.025	-	0.025	0.050		0.050		0.025
Twin Hills Water District	156	42	0.007	-	-	-	0.007	-	0.007	0.042		0.042		0.036
Twin Maples Nursing Home	100	75	0.008	-	-	-	0.008	-	0.008	0.023		0.023		0.015
University of Connecticut - Main Campus	12,699	33	0.415	0.627	-	-	1.042	0.150	0.892	1.480	1.500	2.980	-	1.938
Valley Water Systems, Inc.	17,287	60	1.037	0.456	0.100	6.3%	1.593	-	1.593	3.570	0.200	3.770	0.000	2.177
Vernon Village Inc.	430	75	0.032	-	-	-	0.032	-	0.032	0.050		0.050		0.018
Village At Crystal Springs	172	28	0.005	-	-	-	0.005	-	0.005	0.029		0.029		0.024
Walden Apartments	276	75	0.021	-	-	-	0.021	-	0.021	0.050		0.050		0.029
Wallingford Water Division	38,990	52	2.008	1.430	0.473	12.1%	3.911	-	3.911	9.079	-	9.079	-	5.167
Wellswood Estates Foundation, Inc.	112	75	0.008	-	-	-	0.008	-	0.008	0.022		0.022		0.013
Westside Manor	30	75	0.002	-	-	-	0.002	-	0.002	0.010		0.010		0.007
Whispering Hills, LLC - Well A System	16	75	0.001	-	-	-	0.001	-	0.001	0.010		0.010		0.009
Whispering Hills, LLC - Well D System	48	75	0.004	-	-	-	0.004	-	0.004	0.050		0.050		0.046
White Oak Condominiums	192	75	0.014	-	-	-	0.014	-	0.014	0.037		0.037		0.022
Willington Oaks Apartments	400	75	0.030	-	-	-	0.030	-	0.030	0.050		0.050		0.020
Willington Ridge Condos - System #1	102	75	0.008	-	-	-	0.008	-	0.008	0.017		0.017		0.010
Willington Ridge Condos - System #2	102	75	0.008	-	-	-	0.008	-	0.008	0.015		0.015		0.007
Willington Senior Center & Housing	32	75	0.002	-	-	-	0.002	-	0.002	0.039		0.039		0.036
Windham Water Works	2,437	51	0.125	0.050	0.026	12.9%	0.201	-	0.201	4.100	-	4.100	-	3.899
Woodhaven Apartments	489	75	0.037	-	-	-	0.037	-	0.037	0.030		0.030		(0.006)
Woodland Summit Community Water Assn	216	75	0.016	-	-	-	0.016	-	0.016	0.023		0.023		0.007
Woodland Terrace	27	75	0.002	-	-	-	0.002	-	0.002	0.019		0.019		0.017
Worthington Fire District	2,898	60	0.174	0.040	0.004	2.0%	0.218	-	0.218	-	0.685	0.685	0.218	0.467
Yeshiva of Waterbury-Durham Campus (Formerly Stonegate Springs NTNC	95	75	0.007	-	-	-	0.007	-	0.007	0.050		0.050		0.043
TOTAL FOR CENTRAL PWSMA	**1,391,620**	**61**	**85.578**	**46.157**	**22.694**		**154.429**	**4.102**	**150.327**	**266.246**	**14.303**	**280.549**	**3.851**	**126.120**
CTWC - Naugatuck Reg-Collinsville Sys **(FULL SYSTEM)**	5,379	71	0.383	0.091	0.005	1.0%	0.479	-	0.479	-	1.300	1.300	0.479	0.821
Meriden Water Division **(FULL SYSTEM)**	59,663	55	3.282	0.861	0.970	19.0%	5.113	0.002	5.111	9.210	0.500	9.710	0.220	4.597
SCCRWA **(FULL SYSTEM)**	437,955	52	22.774	17.267	4.949	11.0%	44.990	1.058	43.932	76.700	-	76.700	-	31.710
Southington Water Department **(FULL SYSTEM)**	43,069	60	2.591	0.779	0.459	12.0%	3.830	-	3.830	7.000	-	7.000	-	3.170
Wallingford Water Division **(FULL SYSTEM)**	39,118	52	2.015	1.430	0.474	12.1%	3.919	-	3.919	9.079	-	9.079	-	5.160
Windham Water Works **(FULL SYSTEM)**	21,214	51	1.086	0.761	0.283	13.3%	2.130	-	2.130	4.100	-	4.100	-	1.970

Notes: Kensington Fire District obtains all necessary water from New Britain Water Department. Available water is assumed equal to demand.

Tolland Water Department - Torry Road receives all necessary water from CWC. Available water is assumed equal to demand.

CTWC - Collinsville, Meriden Water Division, SCCRWA, Southington Water Department, Wallingford Water Division, and WWW demands above include areas outside of the Central PWSMA. Data for full system are shown at the bottom of the table.

Data is summarized from Table B-3 in Appendix B and represents the most current data available from water utilities, WSPs, or DPH records

Surpluses and deficits shown at a MOS of 1.0 (i.e., no additional water set aside).

Appended Table 2: 5-Year (2023) Projected ADD and Existing Available Water for Community Water Systems (mgd)

Community Water System	2023 Residential Service Area Population	Residential Per-Capita Demand (gpcd)	2023 Residential Demand	2023 Non-Residential Demand	2023 Unaccounted-for Water	Percent Unaccounted-for Water	2023 Total ADD	2023 Water Sold to Other Utilities	2023 System ADD	Existing Available Water (ADD) from Sources	Existing Available Water (ADD) from Interconnections	Existing Total Available Water (ADD) for System	Water Purchased from Other Utilities	Available Water Surplus / Deficit for Total ADD	Residential Per-Capita Demand Reduction (gpcd)	New Residential Per-Capita Demand with Water Conservation (gpcd)	2023 Residential Demand with Water Conservation	2023 Unaccounted-for Water with Water Conservation	2023 Total ADD with Water Conservation	2023 System ADD with Water Conservation	Available Water Surplus / Deficit for Total ADD with Water Conservation
166 & 180 Boston Turnpike	31	16	0.001	-	-	-	0.001	-	0.001	0.050		0.050		0.050	-	16	0.001	-	0.001	0.001	0.050
298-302 Albany Turnpike	28	75	0.002	-	-	-	0.002	-	0.002	0.006		0.006		0.004	2	73	0.002	-	0.002	0.002	0.004
31 Grist Mill Rd	19	118	0.002	-	-	-	0.002	-	0.002	0.031		0.031		0.029	2	116	0.002	-	0.002	0.002	0.029
890 Boston Turnpike	60	75	0.005	-	-	-	0.005	-	0.005	0.032		0.032		0.028	2	73	0.004	-	0.004	0.004	0.028
Aaron Manor Nursing & Rehab Center	81	75	0.006	-	-	-	0.006	-	0.006	0.017		0.017		0.011	2	73	0.006	-	0.006	0.006	0.011
Abby Water LLC	100	75	0.008	-	-	-	0.008	-	0.008	0.027		0.027		0.020	2	73	0.007	-	0.007	0.007	0.020
Ah 2 LLC (formerly Woods Edge Apartments, LLC)	96	38	0.004	-	-	-	0.004	-	0.004	0.019		0.019		0.016	-	38	0.004	-	0.004	0.004	0.016
Apple Valley Village	70	93	0.007	-	-	-	0.007	-	0.007	0.050		0.050		0.044	2	91	0.006	-	0.006	0.006	0.044
Aquarion Water Co of CT - W Service Corp	595	71	0.042	0.000	0.003	6.7%	0.046	-	0.046	0.050		0.050		0.004	2	69	0.041	0.003	0.044	0.044	0.006
Aquarion Water Co of CT-Birchwood Estate	251	48	0.012	-	0.011	48.4%	0.023	-	0.023	0.010		0.010		(0.014)	-	48	0.012	0.004	0.016	0.016	(0.006)
Aquarion Water Co of CT-East Hampton Div	189	34	0.006	-	0.001	10.9%	0.007	-	0.007	0.008		0.008		0.001	-	34	0.006	0.001	0.007	0.007	0.001
Aquarion Water Co of CT-Simsbury System	15,257	99	1.510	0.510	0.360	15.1%	2.380	-	2.380	4.908	-	4.908	-	2.528	2	97	1.479	0.357	2.346	2.346	2.562
Aquarion Water Co of CT-Valley View	131	46	0.006	-	0.000	2.3%	0.006	-	0.006	0.013		0.013		0.007	-	46	0.006	0.000	0.006	0.006	0.007
Avon Water Co	12,503	83	1.040	0.514	0.166	9.7%	1.720	0.057	1.663	4.777	-	4.777		3.057	2	81	1.015	0.166	1.695	1.638	3.082
Baxter Farms Community Water Assoc	175	75	0.013	-	-	-	0.013	-	0.013	0.031		0.031		0.018	2	73	0.013	-	0.013	0.013	0.019
Bellwood Court	31	75	0.002	-	-	-	0.002	-	0.002	0.008		0.008		0.005	2	73	0.002	-	0.002	0.002	0.005
Berlin Water Control Commission	7,345	64	0.471	0.572	0.150	12.5%	1.193	0.353	0.840	0.756	1.600	2.356	0.743	1.163	2	62	0.457	0.150	1.178	0.825	1.178
Bethany Mobile Home Park	138	75	0.010	-	-	-	0.010	-	0.010	0.050		0.050		0.040	2	73	0.010	-	0.010	0.010	0.040
Bittersweet Ridge Water Association	40	75	0.003	-	-	-	0.003	-	0.003	0.010		0.010		0.007	2	73	0.003	-	0.003	0.003	0.007
Blue Trails Water Association	456	75	0.034	-	-	-	0.034	-	0.034	0.082		0.082		0.048	2	73	0.033	-	0.033	0.033	0.049
Boxwood Condominium Association	28	75	0.002	-	-	-	0.002	-	0.002	0.011		0.011		0.009	2	73	0.002	-	0.002	0.002	0.009
Carriage House Apartments	196	75	0.015	-	-	-	0.015	-	0.015	0.050		0.050		0.035	2	73	0.014	-	0.014	0.014	0.036
Cedar Ridge Apartments	300	75	0.023	-	-	-	0.023	-	0.023	0.017		0.017		(0.005)	2	73	0.022	-	0.022	0.022	(0.005)
Chadwick Homeowners Assn., Inc.	292	75	0.022	-	-	-	0.022	-	0.022	0.050		0.050		0.028	2	73	0.021	-	0.021	0.021	0.029
Chatham Acres Elderly Housing	50	75	0.004	-	-	-	0.004	-	0.004	0.050		0.050		0.046	2	73	0.004	-	0.004	0.004	0.046
Chatham Apartments	40	75	0.003	-	-	-	0.003	-	0.003	0.043		0.043		0.040	2	73	0.003	-	0.003	0.003	0.040
Chelsea Common Condominium Association	126	32	0.004	-	-	-	0.004	-	0.004	0.030		0.030		0.026	-	32	0.004	-	0.004	0.004	0.026
Chestelm Health & Rehabilitation Center	120	58	0.007	-	-	-	0.007	-	0.007	0.019		0.019		0.012	2	56	0.007	-	0.007	0.007	0.013
Club House Apartments	115	75	0.009	-	-	-	0.009	-	0.009	0.014		0.014		0.005	2	73	0.008	-	0.008	0.008	0.005
Cobalt Lodge Healthcare & Rehab Center (Z, Inc.)	130	33	0.004	-	-	-	0.004	-	0.004	0.050		0.050		0.046	-	33	0.004	-	0.004	0.004	0.046
Connecticut Correctional Institute	5,919	91	0.539	0.061	0.205	25.4%	0.805	-	0.805	1.300	-	1.300	-	0.495	2	89	0.527	0.121	0.709	0.709	0.591
Connecticut Valley Hospital	816	88	0.072	0.229	-	-	0.301	-	0.301	0.693	-	0.693	-	0.392	2	86	0.070	-	0.299	0.299	0.394
Cook Drive Association	49	116	0.006	-	-	-	0.006	-	0.006	0.011		0.011		0.005	2	114	0.006	-	0.006	0.006	0.005
Coventry Housing Authority-Lower System	80	27	0.002	-	-	-	0.002	-	0.002	0.043		0.043		0.041	-	27	0.002	-	0.002	0.002	0.041
Coventry Housing Authority-Upper System	80	18	0.001	-	-	-	0.001	-	0.001	0.017		0.017		0.016	-	18	0.001	-	0.001	0.001	0.016
Cromwell Fire District Water Department	15,400	71	1.090	0.532	0.161	9.0%	1.783	0.076	1.707	7.870		7.870		6.087	2	69	1.059	0.161	1.752	1.676	6.118
CTWC - Amston Lake Division	910	31	0.028	-	-	-	0.028	-	0.028	0.044		0.044		0.016	-	31	0.028	-	0.028	0.028	0.016
CTWC - Baker Hill Division	203	29	0.006	-	-	-	0.006	-	0.006	0.029		0.029	0.000	0.023	-	29	0.006	-	0.006	0.006	0.023
CTWC - Banner Village	265	24	0.006	-	0.003	31.9%	0.009	-	0.009	0.050		0.050		0.041	-	24	0.006	0.001	0.008	0.008	0.042
CTWC - Birchwood Heights	76	28	0.002	-	0.000	9.7%	0.002	-	0.002	0.015		0.015		0.013	-	28	0.002	0.000	0.002	0.002	0.013
CTWC - Chimney Hill	227	103	0.023	-	0.015	38.4%	0.038	-	0.038	-	0.050	0.050	0.038	0.012	2	101	0.023	0.006	0.029	0.029	0.021
CTWC - Columbia Heights Div.	32	150	0.005	-	-	-	0.005	-	0.005	0.018		0.018		0.013	2	148	0.005	-	0.005	0.005	0.013
CTWC - Country Manor Apartments	72	40	0.003	-	-	-	0.003	-	0.003	0.027		0.027		0.024	-	40	0.003	-	0.003	0.003	0.024
CTWC - Coventry Hills Div	700	44	0.031	-	-	-	0.031	-	0.031	0.050		0.050		0.019	-	44	0.031	-	0.031	0.031	0.019
CTWC - Crystal Springs Div.	169	36	0.006	-	-	-	0.006	-	0.006	0.021		0.021		0.015	-	36	0.006	-	0.006	0.006	0.015
CTWC - Florence Lord (Mash)	30	35	0.001	-	-	-	0.001	-	0.001	0.034		0.034		0.033	-	35	0.001	-	0.001	0.001	0.033
CTWC - Forest Homes Division	100	45	0.005	-	-	-	0.005	-	0.005	0.005		0.005		0.001	-	45	0.005	-	0.005	0.005	0.001
CTWC - General Water Division	306	45	0.014	-	0.004	20.9%	0.017	-	0.017	0.043		0.043		0.026	-	45	0.014	0.003	0.016	0.016	0.027
CTWC - Green Springs System	104	41	0.004	-	0.000	2.6%	0.004	-	0.004	0.028		0.028		0.024	-	41	0.004	0.000	0.004	0.004	0.024
CTWC - Hebron Center Division	235	50	0.012	0.018	0.001	2.3%	0.031	-	0.031	0.050	-	0.050	-	0.019	(0)	50	0.012	0.001	0.031	0.031	0.019
CTWC - Jensens Beechwood System	750	40	0.030	-	-	-	0.030	-	0.030	0.050		0.050		0.020	-	40	0.030	-	0.030	0.030	0.020
CTWC - Lake Hayward	650	8	0.005	-	0.004	43.1%	0.009	-	0.009	0.050		0.050		0.041	-	8	0.005	0.001	0.007	0.007	0.043
CTWC - Legend Hill System	247	35	0.009	0.004	0.001	9.2%	0.014		0.014	0.050		0.050		0.036	-	35	0.009	0.001	0.014	0.014	0.036
CTWC - London Park Division	221	38	0.008	-	0.001	13.1%	0.010	-	0.010	0.050		0.050		0.040	-	38	0.008	0.001	0.010	0.010	0.040
CTWC - Marlborough Gardens	110	35	0.004	-	-	-	0.004	-	0.004	0.024		0.024		0.020	-	35	0.004	-	0.004	0.004	0.020
CTWC - Mill At Stonecroft Div	127	65	0.008	-	-	-	0.008	-	0.008	0.036		0.036		0.027	2	63	0.008	-	0.008	0.008	0.028
CTWC - Naugatuck Reg-Collinsville Sys	5,275	71	0.374	0.091	0.004	0.8%	0.469	-	0.469	-	1.300	1.300	0.479	0.831	2	69	0.364	0.004	0.459	0.459	0.841
CTWC - Northern Region-Lakeview Terrace	472	26	0.012	-	0.003	19.5%	0.015	-	0.015	0.022		0.022		0.007	-	26	0.012	0.002	0.015	0.015	0.008
CTWC - Northern Region-Lakewood	256	20	0.005	-	0.001	19.5%	0.006	-	0.006	0.009		0.009		0.002	-	20	0.005	0.001	0.006	0.006	0.003

Appended Table 2: 5-Year (2023) Projected ADD and Existing Available Water for Community Water Systems (mgd)

Community Water System	2023 Residential Service Area Population	Residential Per-Capita Demand (gpcd)	2023 Residential Demand	2023 Non-Residential Demand	2023 Unaccounted-for Water	Percent Unaccounted-for Water	2023 Total ADD	2023 Water Sold to Other Utilities	2023 System ADD	Existing Available Water (ADD) from Sources	Existing Available Water (ADD) from Interconnections	Existing Total Available Water (ADD) for System	Water Purchased from Other Utilities	Available Water Surplus / Deficit for Total ADD	Residential Per-Capita Demand Reduction (gpcd)	New Residential Per-Capita Demand with Water Conservation (gpcd)	2023 Residential Demand with Water Conservation	2023 Unaccounted-for Water with Water Conservation	2023 Total ADD with Water Conservation	2023 System ADD with Water Conservation	Available Water Surplus / Deficit for Total ADD with Water Conservation
CTWC - Northern Reg-Llynwood System	384	31	0.012	-	-	-	0.012	-	0.012	0.041		0.041		0.029	-	31	0.012	-	0.012	0.012	0.029
CTWC - Northern Reg-Nathan Hale System	160	29	0.005	-	-	-	0.005	-	0.005	0.016		0.016		0.011	-	29	0.005	-	0.005	0.005	0.011
CTWC - Northern Reg-Reservoir Heights	62	65	0.004	-	0.001	17.2%	0.005	-	0.005	-	0.007	0.007	0.005	0.002	2	63	0.004	0.001	0.005	0.005	0.002
CTWC - Northern Reg-Stafford System	2,321	60	0.139	0.326	0.089	16.0%	0.554	-	0.554	0.700	-	0.700	-	0.146	2	58	0.134	0.083	0.543	0.543	0.157
CTWC - Northern Reg-Western System	88,323	68	6.008	2.484	1.477	14.8%	9.969	0.040	9.929	17.443	0.040	17.483	0.028	7.514	2	66	5.831	1.477	9.792	9.752	7.690
CTWC - Pilgrim Hills Division	229	61	0.014	-	-	-	0.014	-	0.014	0.050		0.050		0.036	2	59	0.014	-	0.014	0.014	0.036
CTWC - Pinewoods Lane Div	68	17	0.001	-	-	-	0.001	-	0.001	0.019		0.019		0.018	-	17	0.001	-	0.001	0.001	0.018
CTWC - Redwood Farms Division	424	35	0.015	-	0.000	1.5%	0.015	-	0.015	0.050		0.050		0.035	-	35	0.015	0.000	0.015	0.015	0.035
CTWC - Rivercrest Division	88	23	0.002	-	-	-	0.002	-	0.002	0.050		0.050		0.048	-	23	0.002	-	0.002	0.002	0.048
CTWC - Riversedge Division	179	35	0.006	0.003	0.003	22.6%	0.012	-	0.012	-	0.030	0.030	0.012	0.018	-	35	0.006	0.002	0.011	0.011	0.019
CTWC - Sachem Village Condo	166	28	0.005	-	0.001	20.4%	0.006	-	0.006	0.050		0.050		0.044	-	28	0.005	0.001	0.006	0.006	0.044
CTWC - Shoreline Reg-Chester Vllg West	216	28	0.006	-	-	-	0.006	-	0.006	0.015	-	0.015		0.009	-	28	0.006	-	0.006	0.006	0.009
CTWC - Shoreline Region-Chester System	5,862	60	0.351	0.208	0.084	13.0%	0.643	-	0.643	1.340	-	1.340		0.697	2	58	0.339	0.084	0.631	0.631	0.709
CTWC - Shoreline Region-Guilford System	39,832	57	2.262	0.882	0.690	18.0%	3.834	-	3.834	6.060	1.000	7.060	0.116	3.226	2	55	2.182	0.575	3.639	3.639	3.421
CTWC - Shoreline Region-Point O Woods	929	33	0.031	0.000	0.013	30.0%	0.045	-	0.045	0.111	-	0.111	-	0.066	-	33	0.031	0.007	0.038	0.038	0.073
CTWC - Shoreline Region-Sound View	1,785	26	0.047	0.006	0.003	5.0%	0.056	-	0.056	0.162	-	0.162	-	0.106	-	26	0.047	0.003	0.056	0.056	0.106
CTWC - South Coventry System	501	51	0.025	-	0.004	13.9%	0.030	-	0.030	0.048		0.048		0.018	1	50	0.025	0.004	0.029	0.029	0.018
CTWC - Spice Hill Division	712	40	0.028	-	-	-	0.028	-	0.028	0.049		0.049	0.000	0.020	-	40	0.028	-	0.028	0.028	0.020
CTWC - Unionville System	16,573	96	1.591	0.533	0.136	6.0%	2.260	-	2.260	2.505	0.650	3.155	0.764	0.895	2	94	1.558	0.136	2.226	2.226	0.929
CTWC - Wellswood Village Div	60	52	0.003	-	-	-	0.003	-	0.003	0.016		0.016		0.013	2	50	0.003	-	0.003	0.003	0.013
CTWC - Westchester East	153	32	0.005	-	-	-	0.005	-	0.005	0.039		0.039		0.034	-	32	0.005	-	0.005	0.005	0.034
Dartmouth Village Elderly Housing	25	75	0.002	-	-	-	0.002	-	0.002	0.050		0.050		0.048	2	73	0.002	-	0.002	0.002	0.048
Deer Park Apartments	125	75	0.009	-	-	-	0.009	-	0.009	0.050		0.050		0.041	2	73	0.009	-	0.009	0.009	0.041
Durham Center Division	140	75	0.011	-	-	-	0.011	-	0.011	0.050	0.220	0.270		0.260	2	73	0.010	-	0.010	0.010	0.260
Durham Elderly Housing Division	50	75	0.004	-	-	-	0.004	-	0.004	0.050		0.050		0.046	2	73	0.004	-	0.004	0.004	0.046
Durham Lexington Place Division	45	75	0.003	-	-	-	0.003	-	0.003	0.050		0.050		0.047	2	73	0.003	-	0.003	0.003	0.047
East Hampton WPCA - Royal Oaks System	328	34	0.011	0.001	0.001	7.0%	0.013	-	0.013	0.040	-	0.040	-	0.027	-	34	0.011	0.001	0.013	0.013	0.027
East Hampton WPCA - Village Center	366	8	0.003	0.006	0.001	7.0%	0.010	-	0.010	0.021	-	0.021	-	0.012	-	8	0.003	0.001	0.010	0.010	0.012
East Windsor Housing Authority	94	75	0.007	-	-	-	0.007	-	0.007	0.022		0.022		0.015	2	73	0.007	-	0.007	0.007	0.015
Eastview Kozley Water Association	60	75	0.005	-	-	-	0.005	-	0.005	0.018		0.018		0.014	2	73	0.004	-	0.004	0.004	0.014
Edgemere Condominium Assn., Inc.	540	75	0.041	-	-	-	0.041	-	0.041	0.050		0.050		0.010	2	73	0.039	-	0.039	0.039	0.011
Ethel Walker School	325	75	0.024	-	-	-	0.024	-	0.024	0.050		0.050		0.026	2	73	0.024	-	0.024	0.024	0.026
Evergreen Trailer Park - System #1	45	46	0.002	-	-	-	0.002	-	0.002	0.019		0.019		0.017	-	46	0.002	-	0.002	0.002	0.017
Evergreen Trailer Park - System #2	35	39	0.001	-	-	-	0.001	-	0.001	0.015		0.015		0.014	-	39	0.001	-	0.001	0.001	0.014
Evergreen Trailer Park - System #3	68	49	0.003	-	-	-	0.003	-	0.003	0.029		0.029		0.026	-	49	0.003	-	0.003	0.003	0.026
Evergreen Trailer Park - System #4	110	75	0.008	-	-	-	0.008	-	0.008	0.021		0.021		0.012	2	73	0.008	-	0.008	0.008	0.012
Franklin Academy	81	75	0.006	-	-	-	0.006	-	0.006	0.030		0.030		0.024	2	73	0.006	-	0.006	0.006	0.024
Goodspeed Actor Housing - The Village	40	75	0.003	-	-	-	0.003	-	0.003	0.022		0.022		0.019	2	73	0.003	-	0.003	0.003	0.019
GQC Well Commission	360	43	0.016	-	-	-	0.016	-	0.016	0.050		0.050		0.034	-	43	0.016	-	0.016	0.016	0.034
Grant Hill Associates, Inc.	97	75	0.007	-	-	-	0.007	-	0.007	0.045		0.045		0.038	2	73	0.007	-	0.007	0.007	0.038
Hazardville - Rye Hill System	352	72	0.025	-	0.003	10.9%	0.028	-	0.028	-	0.100	0.100	0.028	0.072	2	70	0.025	0.003	0.028	0.028	0.072
Hazardville Water Company	18,310	62	1.136	0.214	0.162	10.7%	1.511	0.002	1.510	4.435	-	4.435		2.924	2	60	1.099	0.162	1.475	1.473	2.960
Hebron Arms Apartments	39	25	0.001	-	-	-	0.001	-	0.001	0.019		0.019		0.018	-	25	0.001	-	0.001	0.001	0.018
Hemlock Apartments	72	29	0.002	-	-	-	0.002	-	0.002	0.026		0.026		0.024	-	29	0.002	-	0.002	0.002	0.024
Heritage Cove Condominiums	208	75	0.016	-	-	-	0.016	-	0.016	0.050		0.050		0.034	2	73	0.015	-	0.015	0.015	0.035
High Meadow	38	75	0.003	-	-	-	0.003	-	0.003	0.011		0.011		0.008	2	73	0.003	-	0.003	0.003	0.009
Hillside Condominiums	96	35	0.003	-	-	-	0.003	-	0.003	0.050		0.050		0.047	-	35	0.003	-	0.003	0.003	0.047
Hillside Corporation	136	75	0.010	-	-	-	0.010	-	0.010	0.018		0.018		0.008	2	73	0.010	-	0.010	0.010	0.008
Hop River Homes	26	75	0.002	-	-	-	0.002	-	0.002	0.038		0.038		0.036	2	73	0.002	-	0.002	0.002	0.036
Hunting Lodge Apartments	115	75	0.009	-	-	-	0.009	-	0.009	0.035		0.035		0.026	2	73	0.008	-	0.008	0.008	0.026
Ivy Woods	207	29	0.006	-	-	-	0.006	-	0.006	0.050		0.050		0.044	-	29	0.006	-	0.006	0.006	0.044
Johnson Memorial Hospital, Inc	250	75	0.019	-	-	-	0.019	-	0.019	0.050		0.050		0.031	2	73	0.018	-	0.018	0.018	0.032
Juniper Club Inc.	104	75	0.008	-	-	-	0.008	-	0.008	0.027		0.027		0.019	2	73	0.008	-	0.008	0.008	0.019
Kensington Fire District	7,762	73	0.567	0.243	0.110	12.0%	0.920	-	0.920	-	0.920	0.920	0.920	-	2	71	0.551	0.110	0.905	0.905	-
Knollwood Acres Apartments	312	75	0.023	-	-	-	0.023	-	0.023	0.050		0.050		0.027	2	73	0.023	-	0.023	0.023	0.027
Lakeview Estates	78	75	0.006	-	-	-	0.006	-	0.006	0.050		0.050		0.044	2	73	0.006	-	0.006	0.006	0.044
Laurel Heights Association, Inc.	45	75	0.003	-	-	-	0.003	-	0.003	0.009		0.009		0.005	2	73	0.003	-	0.003	0.003	0.005
Laurel Hill Water Association	86	75	0.006	-	-	-	0.006	-	0.006	0.024		0.024		0.017	2	73	0.006	-	0.006	0.006	0.017
Lyme Academy Apartments,LLC	48	75	0.004	-	-	-	0.004	-	0.004	0.050		0.050		0.046	2	73	0.004	-	0.004	0.004	0.046

Appended Table 2: 5-Year (2023) Projected ADD and Existing Available Water for Community Water Systems (mgd)

Community Water System	2023 Residential Service Area Population	Residential Per-Capita Demand (gpcd)	2023 Residential Demand	2023 Non-Residential Demand	2023 Unaccounted-for Water	Percent Unaccounted-for Water	2023 Total ADD	2023 Water Sold to Other Utilities	2023 System ADD	Existing Available Water (ADD) from Sources	Existing Available Water (ADD) from Interconnections	Existing Total Available Water (ADD) for System	Water Purchased from Other Utilities	Available Water Surplus / Deficit for Total ADD	Residential Per-Capita Demand Reduction (gpcd)	New Residential Per-Capita Demand with Water Conservation (gpcd)	2023 Residential Demand with Water Conservation	2023 Unaccounted-for Water with Water Conservation	2023 Total ADD with Water Conservation	2023 System ADD with Water Conservation	Available Water Surplus / Deficit for Total ADD with Water Conservation
Lyme Regis, Inc.	32	50	0.002	-	-	-	0.002	-	0.002	0.009		0.009		0.007	-	50	0.002	-	0.002	0.002	0.007
Lymewood Elderly Housing	50	75	0.004	-	-	-	0.004	-	0.004	0.050		0.050		0.046	2	73	0.004	-	0.004	0.004	0.046
M&M Realty Holdings LLC	32	75	0.002	-	-	-	0.002	-	0.002	0.050		0.050		0.048	2	73	0.002	-	0.002	0.002	0.048
Mallard Cove Condominium Assn.	177	45	0.008	-	-	-	0.008	-	0.008	0.050		0.050		0.042	-	45	0.008	-	0.008	0.008	0.042
Manchester Water Department	56,737	66	3.741	1.151	0.863	15.0%	5.755	0.005	5.750	9.179	-	9.179	-	3.424	2	64	3.628	0.863	5.642	5.637	3.537
Mansfield Village, LLC	40	39	0.002	-	-	-	0.002	-	0.002	0.010		0.010		0.009	-	39	0.002	-	0.002	0.002	0.009
Maplewood Apartments	153	75	0.011	-	-	-	0.011	-	0.011	0.025		0.025		0.013	2	73	0.011	-	0.011	0.011	0.014
Markowski Farms	155	75	0.012	-	-	-	0.012	-	0.012	0.038		0.038		0.026	2	73	0.011	-	0.011	0.011	0.026
Marlborough Health Care Center, Inc	165	75	0.012	-	-	-	0.012	-	0.012	0.028		0.028		0.016	2	73	0.012	-	0.012	0.012	0.016
Meadowbrook Apartments, LLC	60	75	0.005	-	-	-	0.005	-	0.005	0.050		0.050		0.046	2	73	0.004	-	0.004	0.004	0.046
Meadowbrook Manor LLC	30	75	0.002	-	-	-	0.002	-	0.002	0.010		0.010		0.008	2	73	0.002	-	0.002	0.002	0.008
Meriden Water Division	60,676	67	4.035	1.133	1.292	20.0%	6.460	0.002	6.458	6.110	-	6.110	-	(0.350)	2	65	3.914	0.969	6.016	6.014	0.094
Metacomet Homes-Well 1	27	75	0.002	-	-	-	0.002	-	0.002	0.009		0.009		0.007	2	73	0.002	-	0.002	0.002	0.007
Metacomet Homes-Well 2	36	75	0.003	-	-	-	0.003	-	0.003	0.009		0.009		0.006	2	73	0.003	-	0.003	0.003	0.006
Metropolitan District Commission	410,674	79	32.312	15.996	7.000	12.7%	55.308	1.698	53.610	77.100		77.100		21.792	2	77	31.490	7.000	54.487	52.789	22.613
Miami Beach Water Company	440	75	0.033	-	-	-	0.033	-	0.033	0.050		0.050		0.017	2	73	0.032	-	0.032	0.032	0.018
Middlefield Housing Authority	62	75	0.005	-	-	-	0.005	-	0.005	0.009		0.009		0.004	2	73	0.005	-	0.005	0.005	0.004
Middletown Water Department	43,382	64	2.776	0.836	0.638	15.0%	4.250	-	4.250	7.254	-	7.254	-	3.004	2	62	2.690	0.638	4.163	4.163	3.091
Mile Creek Apartments	60	75	0.005	-	-	-	0.005	-	0.005	0.014		0.014		0.010	2	73	0.004	-	0.004	0.004	0.010
Natural Park Apartments, LLC	60	75	0.005	-	-	-	0.005	-	0.005	0.043		0.043		0.039	2	73	0.004	-	0.004	0.004	0.039
New Britain Water Department	73,000	75	5.475	4.087	1.158	10.8%	10.720	1.837	8.883	12.640	5.000	17.640	-	6.920	2	73	5.329	1.158	10.574	8.737	7.066
Nod Hill Apartments	48	75	0.004	-	-	-	0.004	-	0.004	0.008		0.008		0.004	2	73	0.004	-	0.004	0.004	0.004
North Willington Village Condo Assoc.	66	75	0.005	-	-	-	0.005	-	0.005	0.029		0.029		0.024	2	73	0.005	-	0.005	0.005	0.024
Northford Glen Condominium Association	84	75	0.006	-	-	-	0.006	-	0.006	0.050		0.050		0.044	2	73	0.006	-	0.006	0.006	0.044
Norwegian Woods Apartments	252	75	0.019	-	-	-	0.019	-	0.019	0.043		0.043		0.024	2	73	0.018	-	0.018	0.018	0.025
Oak Grove Senior Housing Corp	72	75	0.005	-	-	-	0.005	-	0.005	0.013		0.013		0.008	2	73	0.005	-	0.005	0.005	0.008
Old Indian Trail	32	75	0.002	-	-	-	0.002	-	0.002	0.013		0.013		0.011	2	73	0.002	-	0.002	0.002	0.011
Old Newgate Ridge Water Company Inc	208	75	0.016	-	-	-	0.016	-	0.016	0.050		0.050		0.034	2	73	0.015	-	0.015	0.015	0.035
Orchard Acres Association	176	75	0.013	-	-	-	0.013	-	0.013	0.032		0.032		0.019	2	73	0.013	-	0.013	0.013	0.020
Orchard Hill Association	30	67	0.002	-	-	-	0.002	-	0.002	0.050		0.050		0.048	2	65	0.002	-	0.002	0.002	0.048
Portland Water Department	4,200	110	0.460	0.135	0.149	20.0%	0.744	-	0.744	0.300	1.100	1.400	0.447	0.656	2	108	0.452	0.112	0.698	0.698	0.702
Quonnipaug Hills - Main System	564	75	0.042	-	-	-	0.042	-	0.042	0.048		0.048		0.005	2	73	0.041	-	0.041	0.041	0.006
Quonnipaug Hills - Section I	27	75	0.002	-	-	-	0.002	-	0.002	0.010		0.010		0.008	2	73	0.002	-	0.002	0.002	0.008
Reja - Rainbow Spring Water Company	11	245	0.003	-	-	-	0.003	-	0.003	0.050		0.050		0.047	2	243	0.003	-	0.003	0.003	0.047
Renwood Apartments	190	75	0.014	-	-	-	0.014	-	0.014	0.050		0.050		0.036	2	73	0.014	-	0.014	0.014	0.036
Ridgeview Heights	96	75	0.007	-	-	-	0.007	-	0.007	0.050		0.050		0.043	2	73	0.007	-	0.007	0.007	0.043
Ridgewood Hills Association, System #1	18	75	0.001	-	-	-	0.001	-	0.001	0.019		0.019		0.018	2	73	0.001	-	0.001	0.001	0.018
Ridgewood Hills Association, System #2	18	75	0.001	-	-	-	0.001	-	0.001	0.019		0.019		0.018	2	73	0.001	-	0.001	0.001	0.018
Ridgewood Hills Association, System #3	18	75	0.001	-	-	-	0.001	-	0.001	0.019		0.019		0.018	2	73	0.001	-	0.001	0.001	0.018
Ridgewood Hills Association, System #4	18	75	0.001	-	-	-	0.001	-	0.001	0.019		0.019		0.018	2	73	0.001	-	0.001	0.001	0.018
Riverdale Properties, Inc.	96	75	0.007	-	-	-	0.007	-	0.007	0.050		0.050		0.043	2	73	0.007	-	0.007	0.007	0.043
Rockridge Condominiums	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rye Field Manor Elderly Housing	78	75	0.006	-	-	-	0.006	-	0.006	0.016		0.016		0.010	2	73	0.006	-	0.006	0.006	0.011
Safe Harbor, Inc.	50	75	0.004	-	-	-	0.004	-	0.004	0.050		0.050		0.046	2	73	0.004	-	0.004	0.004	0.046
Salmon Brook District Water Dept	934	75	0.070	0.063	0.029	18.0%	0.162		0.162	0.269	-	0.269	-	0.107	2	73	0.068	0.024	0.155	0.155	0.114
Saybrook At Haddam	155	75	0.012	-	-	-	0.012	-	0.012	0.019		0.019		0.008	2	73	0.011	-	0.011	0.011	0.008
SCCRWA	401,893	52	20.898	14.235	3.904	10.0%	39.037	0.116	38.922	69.100		69.100		30.063	2	50	20.095	3.904	38.234	38.118	30.866
School Hill Association, Inc.	77	87	0.007	-	-	-	0.007	-	0.007	0.013		0.013		0.006	2	85	0.007	-	0.007	0.007	0.006
Shaker Heights Water Company	172	83	0.014	-	-	-	0.014	-	0.014	0.050		0.050		0.036	2	81	0.014	-	0.014	0.014	0.036
Sharon Heights Water Association	51	75	0.004	-	-	-	0.004	-	0.004	0.032		0.032		0.029	2	73	0.004	-	0.004	0.004	0.029
Southington Water Department	44,302	61	2.685	0.974	0.470	11.4%	4.128	-	4.128	7.000	-	7.000	-	2.872	2	59	2.596	0.470	4.040	4.040	2.960
Southridge Park Apartments	50	75	0.004	-	-	-	0.004	-	0.004	0.050		0.050		0.046	2	73	0.004	-	0.004	0.004	0.046
Stafford Hollow Water Association	429	75	0.032	-	-	-	0.032	-	0.032	0.050		0.050		0.018	2	73	0.031	-	0.031	0.031	0.019
Stone Pond Condominiums	141	75	0.011	-	-	-	0.011	-	0.011	0.050		0.050		0.039	2	73	0.010	-	0.010	0.010	0.040
Sunset Apartments LLC	46	75	0.003	-	-	-	0.003	-	0.003	0.050		0.050		0.047	2	73	0.003	-	0.003	0.003	0.047
Sylvan Ridge Condominiums	84	75	0.006	-	-	-	0.006	-	0.006	0.039		0.039		0.033	2	73	0.006	-	0.006	0.006	0.033
Tariffville Fire District Water Dept	1,371	60	0.082	0.016	0.009	8.0%	0.107	-	0.107	0.252	-	0.252	-	0.145	2	58	0.080	0.009	0.104	0.104	0.148
Tolland Water Department	1,760	70	0.123	0.043	0.013	7.2%	0.180	0.012	0.168	0.304	-	0.304	-	0.125	2	68	0.120	0.013	0.176	0.164	0.128
Tolland Water Dept - Torry Road	204	46	0.009	0.002	0.001	7.1%	0.012	-	0.012	-	0.012	0.012	0.012	-	-	46	0.009	0.001	0.012	0.012	-

Appended Table 2: 5-Year (2023) Projected ADD and Existing Available Water for Community Water Systems (mgd)

Community Water System	2023 Residential Service Area Population	Residential Per-Capita Demand (gpcd)	2023 Residential Demand	2023 Non-Residential Demand	2023 Unaccounted-for Water	Percent Unaccounted-for Water	2023 Total ADD	2023 Water Sold to Other Utilities	2023 System ADD	Existing Available Water (ADD) from Sources	Existing Available Water (ADD) from Interconnections	Existing Total Available Water (ADD) for System	Water Purchased from Other Utilities	Available Water Surplus / Deficit for Total ADD	Residential Per-Capita Demand Reduction (gpcd)	New Residential Per-Capita Demand with Water Conservation (gpcd)	2023 Residential Demand with Water Conservation	2023 Unaccounted-for Water with Water Conservation	2023 Total ADD with Water Conservation	2023 System ADD with Water Conservation	Available Water Surplus / Deficit for Total ADD with Water Conservation
Turkey Hill of East Granby, LLC	360	68	0.025	-	-	-	0.025	-	0.025	0.050		0.050		0.025	2	66	0.024	-	0.024	0.024	0.026
Twin Hills Water District	156	42	0.007	-	-	-	0.007	-	0.007	0.042		0.042		0.036	-	42	0.007	-	0.007	0.007	0.036
Twin Maples Nursing Home	100	75	0.008	-	-	-	0.008	-	0.008	0.023		0.023		0.015	2	73	0.007	-	0.007	0.007	0.015
University of Connecticut - Main Campus	12,699	33	0.415	0.725	0.060	5.0%	1.200	-	1.200	1.480	1.500	2.980	-	1.780	-	33	0.415	0.060	1.200	1.200	1.780
Valley Water Systems, Inc.	18,980	60	1.139	0.269	0.122	8.0%	1.530	-	1.530	3.570	0.200	3.770	0.000	2.240	2	58	1.101	0.122	1.492	1.492	2.278
Vernon Village Inc.	430	75	0.032	-	-	-	0.032	-	0.032	0.050		0.050		0.018	2	73	0.031	-	0.031	0.031	0.019
Village At Crystal Springs	172	28	0.005	-	-	-	0.005	-	0.005	0.029		0.029		0.024	-	28	0.005	-	0.005	0.005	0.024
Walden Apartments	276	75	0.021	-	-	-	0.021	-	0.021	0.050		0.050		0.029	2	73	0.020	-	0.020	0.020	0.030
Wallingford Water Division	40,706	49	1.995	1.880	0.565	12.7%	4.440	-	4.440	9.079	-	9.079	-	4.638	-	49	1.995	0.565	4.440	4.440	4.638
Wellswood Estates Foundation, Inc.	112	75	0.008	-	-	-	0.008	-	0.008	0.022		0.022		0.013	2	73	0.008	-	0.008	0.008	0.013
Westside Manor	30	75	0.002	-	-	-	0.002	-	0.002	0.010		0.010		0.007	2	73	0.002	-	0.002	0.002	0.008
Whispering Hills, LLC - Well A System	16	75	0.001	-	-	-	0.001	-	0.001	0.010		0.010		0.009	2	73	0.001	-	0.001	0.001	0.009
Whispering Hills, LLC - Well D System	48	75	0.004	-	-	-	0.004	-	0.004	0.050		0.050		0.046	2	73	0.004	-	0.004	0.004	0.046
White Oak Condominiums	192	75	0.014	-	-	-	0.014	-	0.014	0.037		0.037		0.022	2	73	0.014	-	0.014	0.014	0.023
Willington Ridge Condos - System #1	102	75	0.008	-	-	-	0.008	-	0.008	0.017		0.017		0.010	2	73	0.007	-	0.007	0.007	0.010
Willington Ridge Condos - System #2	102	75	0.008	-	-	-	0.008	-	0.008	0.015		0.015		0.007	2	73	0.007	-	0.007	0.007	0.008
Willington Senior Center & Housing	32	75	0.002	-	-	-	0.002	-	0.002	0.039		0.039		0.036	2	73	0.002	-	0.002	0.002	0.037
Windham Water Works	2,871	55	0.157	0.124	0.043	13.3%	0.324	-	0.324	4.100	-	4.100	-	3.776	2	53	0.152	0.043	0.318	0.318	3.782
Woodhaven Apartments	489	75	0.037	-	-	-	0.037	-	0.037	0.030		0.030		(0.006)	2	73	0.036	-	0.036	0.036	(0.005)
Woodland Summit Community Water Assn	216	75	0.016	-	-	-	0.016	-	0.016	0.023		0.023		0.007	2	73	0.016	-	0.016	0.016	0.007
Woodland Terrace	27	75	0.002	-	-	-	0.002	-	0.002	0.019		0.019		0.017	2	73	0.002	-	0.002	0.002	0.017
Worthington Fire District	2,990	70	0.209	0.085	0.059	16.7%	0.353	-	0.353	-	0.685	0.685	0.353	0.332	2	68	0.203	0.053	0.341	0.341	0.344
Yeshiva of Waterbury-Durham Campus (Formerly Stonegate Springs NTN(	95	75	0.007	-	-	-	0.007	-	0.007	0.050		0.050		0.043	2	73	0.007	-	0.007	0.007	0.043
TOTAL FOR CENTRAL PWSMA	**1,448,389**	**66**	**95.319**	**49.190**	**20.244**		**164.753**	**4.197**	**160.556**	**266.146**	**14.414**	**280.559**	**3.946**	**115.806**		**64**	**92.559**	**19.635**	**161.384**	**157.186**	**119.160**
CTWC - Naugatuck Reg-Collinsville Sys **(FULL SYSTEM)**	5,395	71	0.383	0.091	0.004	0.8%	0.469	-	0.469	-	1.300	1.300	0.479	0.831	2	69	0.372	0.004	0.467	0.467	0.833
Meriden Water Division **(FULL SYSTEM)**	60,726	66	4.038	1.133	1.292	20.0%	6.464	0.002	6.462	9.210	0.500	9.710	0.220	3.246	2	64	3.917	0.969	6.019	6.017	3.691
SCCRWA **(FULL SYSTEM)**	462,244	52	24.037	17.363	4.600	10.0%	46.000	1.341	44.659	76.700	-	76.700	-	30.700	2	50	23.112	4.600	45.076	43.735	31.624
Southington Water Department **(FULL SYSTEM)**	44,775	61	2.720	0.984	0.476	11.4%	4.180	-	4.180	7.000	-	7.000	-	2.820	2	59	2.631	0.476	4.090	4.090	2.910
Wallingford Water Division **(FULL SYSTEM)**	40,834	49	2.002	1.880	0.566	12.7%	4.448	-	4.448	9.079	-	9.079	-	4.631	-	49	2.002	0.566	4.448	4.448	4.631
Windham Water Works **(FULL SYSTEM)**	22,305	52	1.152	0.832	0.304	13.3%	2.289	-	2.289	4.100	-	4.100	-	1.811	2	50	1.115	0.304	2.252	2.252	1.848

Notes: Kensington Fire District obtains all necessary water from New Britain Water Department. Available water is assumed equal to demand.
Tolland Water Department - Torry Road receives all necessary water from CWC. Available water is assumed equal to demand.
CTWC - Collinsville, Meriden Water Division, SCCRWA, Southington Water Department, Wallingford Water Division, and WWW demands above include areas outside of the Central PWSMA. Data for full system are shown at the bottom of the table.
Willington Oaks Apartments and Rockridge Condominiums expected to be consolidated into the CWC - Western System within the 5-year planning horizon.
Data is summarized from Table B-4 in Appendix B and represents the most current data available from water utilities, WSPs, or DPH records
Available water is for existing sources only and generally does not include future sources planned by a utility or potential reductions in available water
Surpluses and deficits shown at a MOS of 1.0 (i.e., no additional water set aside).

Water conservation projection calculated by MMI based on system data from Table B-4.

Appended Table 3: 20-Year (2030) Projected ADD and Existing Available Water for Community Water Systems (mgd)

Community Water System	2030 Residential Service Area Population	Residential Per-Capita Demand (gpcd)	2030 Residential Demand	2030 Non-Residential Demand	2030 Unaccounted-for Water	Percent Unaccounted-for Water	2030 Total ADD	2030 Water Sold to Other Utilities	2030 System ADD	Existing Available Water (ADD) from Sources	Existing Available Water (ADD) from Interconnections	Existing Total Available Water (ADD) for System	Water Purchased from Other Utilities	Available Water Surplus / Deficit for Total ADD	Residential Per-Capita Demand Reduction (gpcd)	New Residential Per-Capita Demand with Water Conservation (gpcd)	2030 Residential Demand with Water Conservation	2030 Unaccounted-for Water with Water Conservation	2030 Total ADD with Water Conservation	2030 System ADD with Water Conservation	Available Water Surplus / Deficit for Total ADD with Water Conservation
166 & 180 Boston Turnpike	31	16	0.001	-	-	-	0.001	-	0.001	0.050		0.050		0.050	-	16	0.001	-	0.001	0.001	0.050
298-302 Albany Turnpike	28	75	0.002	-	-	-	0.002	-	0.002	0.006		0.006		0.004	6	69	0.002	-	0.002	0.002	0.005
31 Grist Mill Rd	19	118	0.002	-	-	-	0.002	-	0.002	0.031		0.031		0.029	6	112	0.002	-	0.002	0.002	0.029
890 Boston Turnpike	60	75	0.005	-	-	-	0.005	-	0.005	0.032		0.032		0.028	6	69	0.004	-	0.004	0.004	0.028
Aaron Manor Nursing & Rehab Center	81	75	0.006	-	-	-	0.006	-	0.006	0.017		0.017		0.011	6	69	0.006	-	0.006	0.006	0.012
Abby Water LLC	100	75	0.008	-	-	-	0.008	-	0.008	0.027		0.027		0.020	6	69	0.007	-	0.007	0.007	0.020
Ah 2 LLC (formerly Woods Edge Apartments, LLC)	96	38	0.004	-	-	-	0.004	-	0.004	0.019		0.019		0.016	-	38	0.004	-	0.004	0.004	0.016
Apple Valley Village	70	93	0.007	-	-	-	0.007	-	0.007	0.050		0.050		0.044	6	87	0.006	-	0.006	0.006	0.044
Aquarion Water Co of CT - W Service Corp	595	71	0.042	0.000	0.003	6.7%	0.046	-	0.046	0.050		0.050		0.004	6	65	0.039	0.003	0.042	0.042	0.008
Aquarion Water Co of CT-Birchwood Estate	251	48	0.012	-	0.011	48.4%	0.023	-	0.023	0.010		0.010		(0.014)	-	48	0.012	0.004	0.016	0.016	(0.006)
Aquarion Water Co of CT-East Hampton Div	189	34	0.006	-	0.001	10.9%	0.007	-	0.007	0.008		0.008		0.001	-	34	0.006	0.001	0.007	0.007	0.001
Aquarion Water Co of CT-Simsbury System	15,633	99	1.550	0.520	0.370	15.2%	2.440	-	2.440	4.908	-	4.908	-	2.468	6	93	1.456	0.366	2.342	2.342	2.566
Aquarion Water Co of CT-Valley View	131	46	0.006	-	0.000	2.3%	0.006	-	0.006	0.013		0.013		0.007	-	46	0.006	0.000	0.006	0.006	0.007
Avon Water Co	13,097	83	1.089	0.522	0.173	9.7%	1.784	0.057	1.727	4.777	-	4.777		2.993	6	77	1.010	0.173	1.706	1.649	3.071
Baxter Farms Community Water Assoc	175	75	0.013	-	-	-	0.013	-	0.013	0.031		0.031		0.018	6	69	0.012	-	0.012	0.012	0.019
Bellwood Court	31	75	0.002	-	-	-	0.002	-	0.002	0.008		0.008		0.005	6	69	0.002	-	0.002	0.002	0.005
Berlin Water Control Commission	7,600	64	0.485	0.467	0.106	10.0%	1.058	0.218	0.840	0.756	1.600	2.356	0.743	1.298	6	58	0.439	0.106	1.012	0.794	1.344
Bethany Mobile Home Park	138	75	0.010	-	-	-	0.010	-	0.010	0.050		0.050		0.040	6	69	0.010	-	0.010	0.010	0.040
Bittersweet Ridge Water Association	40	75	0.003	-	-	-	0.003	-	0.003	0.010		0.010		0.007	6	69	0.003	-	0.003	0.003	0.007
Blue Trails Water Association	456	75	0.034	-	-	-	0.034	-	0.034	0.082		0.082		0.048	6	69	0.031	-	0.031	0.031	0.051
Boxwood Condominium Association	28	75	0.002	-	-	-	0.002	-	0.002	0.011		0.011		0.009	6	69	0.002	-	0.002	0.002	0.009
Carriage House Apartments	196	75	0.015	-	-	-	0.015	-	0.015	0.050		0.050		0.035	6	69	0.014	-	0.014	0.014	0.036
Cedar Ridge Apartments	300	75	0.023	-	-	-	0.023	-	0.023	0.017		0.017		(0.005)	6	69	0.021	-	0.021	0.021	(0.003)
Chadwick Homeowners Assn., Inc.	292	75	0.022	-	-	-	0.022	-	0.022	0.050		0.050		0.028	6	69	0.020	-	0.020	0.020	0.030
Chatham Acres Elderly Housing	50	75	0.004	-	-	-	0.004	-	0.004	0.050		0.050		0.046	6	69	0.003	-	0.003	0.003	0.047
Chatham Apartments	40	75	0.003	-	-	-	0.003	-	0.003	0.043		0.043		0.040	6	69	0.003	-	0.003	0.003	0.040
Chelsea Common Condominium Association	126	32	0.004	-	-	-	0.004	-	0.004	0.030		0.030		0.026	-	32	0.004	-	0.004	0.004	0.026
Chestelm Health & Rehabilitation Center	120	58	0.007	-	-	-	0.007	-	0.007	0.019		0.019		0.012	6	52	0.006	-	0.006	0.006	0.013
Club House Apartments	115	75	0.009	-	-	-	0.009	-	0.009	0.014		0.014		0.005	6	69	0.008	-	0.008	0.008	0.006
Cobalt Lodge Healthcare & Rehab Center (Z, Inc.)	130	33	0.004	-	-	-	0.004	-	0.004	0.050		0.050		0.046	-	33	0.004	-	0.004	0.004	0.046
Connecticut Correctional Institute	5,919	91	0.539	0.061	0.205	25.4%	0.805	-	0.805	1.300	-	1.300	-	0.495	6	85	0.504	0.121	0.685	0.685	0.615
Connecticut Valley Hospital	816	88	0.072	0.229	-	-	0.301	-	0.301	0.693	-	0.693	-	0.392	6	82	0.067	-	0.296	0.296	0.397
Cook Drive Association	49	116	0.006	-	-	-	0.006	-	0.006	0.011		0.011		0.005	6	110	0.005	-	0.005	0.005	0.005
Coventry Housing Authority-Lower System	80	27	0.002	-	-	-	0.002	-	0.002	0.043		0.043		0.041	-	27	0.002	-	0.002	0.002	0.041
Coventry Housing Authority-Upper System	80	18	0.001	-	-	-	0.001	-	0.001	0.017		0.017		0.016	-	18	0.001	-	0.001	0.001	0.016
Cromwell Fire District Water Department	16,300	76	1.235	0.670	0.166	8.0%	2.071	0.076	1.995	7.870		7.870		5.799	6	70	1.137	0.166	1.973	1.897	5.897
CTWC - Amston Lake Division	910	31	0.028	-	-	-	0.028	-	0.028	0.044		0.044		0.016	-	31	0.028	-	0.028	0.028	0.016
CTWC - Baker Hill Division	203	29	0.006	-	-	-	0.006	-	0.006	0.029		0.029	0.000	0.023	-	29	0.006	-	0.006	0.006	0.023
CTWC - Banner Village	265	24	0.006	-	0.003	31.9%	0.009	-	0.009	0.050		0.050		0.041	-	24	0.006	0.001	0.008	0.008	0.042
CTWC - Birchwood Heights	76	28	0.002	-	0.000	9.7%	0.002	-	0.002	0.015		0.015		0.013	-	28	0.002	0.000	0.002	0.002	0.013
CTWC - Chimney Hill	227	103	0.023	-	0.015	38.4%	0.038	-	0.038	-	0.050	0.050	0.038	0.012	6	97	0.022	0.006	0.028	0.028	0.022
CTWC - Columbia Heights Div.	32	150	0.005	-	-	-	0.005	-	0.005	0.018		0.018		0.013	6	144	0.005	-	0.005	0.005	0.013
CTWC - Country Manor Apartments	72	40	0.003	-	-	-	0.003	-	0.003	0.027		0.027		0.024	-	40	0.003	-	0.003	0.003	0.024
CTWC - Coventry Hills Div	700	44	0.031	-	-	-	0.031	-	0.031	0.050		0.050		0.019	-	44	0.031	-	0.031	0.031	0.019
CTWC - Crystal Springs Div.	169	36	0.006	-	-	-	0.006	-	0.006	0.021		0.021		0.015	-	36	0.006	-	0.006	0.006	0.015
CTWC - Florence Lord (Mash)	30	35	0.001	-	-	-	0.001	-	0.001	0.034		0.034		0.033	-	35	0.001	-	0.001	0.001	0.033
CTWC - Forest Homes Division	100	45	0.005	-	-	-	0.005	-	0.005	0.005		0.005		0.001	-	45	0.005	-	0.005	0.005	0.001
CTWC - General Water Division	306	45	0.014	-	0.004	20.9%	0.017	-	0.017	0.043		0.043		0.026	-	45	0.014	0.003	0.016	0.016	0.027
CTWC - Green Springs System	104	41	0.004	-	0.000	2.6%	0.004	-	0.004	0.028		0.028		0.024	-	41	0.004	0.000	0.004	0.004	0.024
CTWC - Hebron Center Division	235	50	0.012	0.018	0.001	2.3%	0.031	-	0.031	0.050	-	0.050	-	0.019	(0)	50	0.012	0.001	0.031	0.031	0.019
CTWC - Jensens Beechwood System	750	40	0.030	-	-	-	0.030	-	0.030	0.050		0.050		0.020	-	40	0.030	-	0.030	0.030	0.020
CTWC - Lake Hayward	650	8	0.005	-	0.004	43.1%	0.009	-	0.009	0.050		0.050		0.041	-	8	0.005	0.001	0.007	0.007	0.043
CTWC - Legend Hill System	247	35	0.009	0.004	0.001	9.2%	0.014		0.014	0.050		0.050		0.036	-	35	0.009	0.001	0.014	0.014	0.036
CTWC - London Park Division	221	38	0.008	-	0.001	13.1%	0.010	-	0.010	0.050		0.050		0.040	-	38	0.008	0.001	0.010	0.010	0.040
CTWC - Marlborough Gardens	110	35	0.004	-	-	-	0.004	-	0.004	0.024		0.024		0.020	-	35	0.004	-	0.004	0.004	0.020
CTWC - Mill At Stonecroft Div	127	65	0.008	-	-	-	0.008	-	0.008	0.036		0.036		0.027	6	59	0.008	-	0.008	0.008	0.028
CTWC - Naugatuck Reg-Collinsville Sys	5,367	71	0.380	0.091	0.004	0.8%	0.475	-	0.475	-	1.300	1.300	0.479	0.825	6	65	0.348	0.004	0.443	0.443	0.857
CTWC - Northern Region-Lakeview Terrace	472	26	0.012	-	0.003	19.5%	0.015	-	0.015	0.022		0.022		0.007	-	26	0.012	0.002	0.015	0.015	0.008
CTWC - Northern Region-Lakewood	256	20	0.005	-	0.001	19.5%	0.006	-	0.006	0.009		0.009		0.002	-	20	0.005	0.001	0.006	0.006	0.003

Appended Table 3: 20-Year (2030) Projected ADD and Existing Available Water for Community Water Systems (mgd)

Community Water System	2030 Residential Service Area Population	Residential Per-Capita Demand (gpcd)	2030 Residential Demand	2030 Non-Residential Demand	2030 Unaccounted-for Water	Percent Unaccounted-for Water	2030 Total ADD	2030 Water Sold to Other Utilities	2030 System ADD	Existing Available Water (ADD) from Sources	Existing Available Water (ADD) from Interconnections	Existing Total Available Water (ADD) for System	Water Purchased from Other Utilities	Available Water Surplus / Deficit for Total ADD	Residential Per-Capita Demand Reduction (gpcd)	New Residential Per-Capita Demand with Water Conservation (gpcd)	2030 Residential Demand with Water Conservation	2030 Unaccounted-for Water with Water Conservation	2030 Total ADD with Water Conservation	2030 System ADD with Water Conservation	Available Water Surplus / Deficit for Total ADD with Water Conservation
CTWC - Northern Reg-Llynwood System	384	31	0.012	-	-	-	0.012	-	0.012	0.041		0.041		0.029	-	31	0.012	-	0.012	0.012	0.029
CTWC - Northern Reg-Nathan Hale System	160	29	0.005	-	-	-	0.005	-	0.005	0.016		0.016		0.011	-	29	0.005	-	0.005	0.005	0.011
CTWC - Northern Reg-Reservoir Heights	62	65	0.004	-	0.001	17.2%	0.005	-	0.005	-	0.007	0.007	0.005	0.002	6	59	0.004	0.001	0.004	0.004	0.002
CTWC - Northern Reg-Stafford System	2,380	59	0.141	0.326	0.070	13.0%	0.537	-	0.537	0.700	-	0.700	-	0.163	6	53	0.127	0.070	0.523	0.523	0.177
CTWC - Northern Reg-Western System	92,849	67	6.246	2.546	1.184	11.9%	9.976	0.040	9.935	17.443	0.040	17.483	0.028	7.507	6	61	5.689	1.184	9.419	9.378	8.064
CTWC - Pilgrim Hills Division	229	61	0.014	-	-	-	0.014	-	0.014	0.050		0.050		0.036	6	55	0.013	-	0.013	0.013	0.037
CTWC - Pinewoods Lane Div	68	17	0.001	-	-	-	0.001	-	0.001	0.019		0.019		0.018	-	17	0.001	-	0.001	0.001	0.018
CTWC - Redwood Farms Division	424	35	0.015	-	0.000	1.5%	0.015	-	0.015	0.050		0.050		0.035	-	35	0.015	0.000	0.015	0.015	0.035
CTWC - Rivercrest Division	88	23	0.002	-	-	-	0.002	-	0.002	0.050		0.050		0.048	-	23	0.002	-	0.002	0.002	0.048
CTWC - Riversedge Division	179	35	0.006	0.003	0.003	22.6%	0.012	-	0.012	-	0.030	0.030	0.012	0.018	-	35	0.006	0.002	0.011	0.011	0.019
CTWC - Sachem Village Condo	166	28	0.005	-	0.001	20.4%	0.006	-	0.006	0.050		0.050		0.044	-	28	0.005	0.001	0.006	0.006	0.044
CTWC - Shoreline Reg-Chester Vllg West	216	28	0.006	-	-	-	0.006	-	0.006	0.015	-	0.015		0.009	-	28	0.006	-	0.006	0.006	0.009
CTWC - Shoreline Region-Chester System	6,100	60	0.366	0.210	0.071	11.0%	0.647	-	0.647	1.340	-	1.340		0.693	6	54	0.329	0.071	0.611	0.611	0.729
CTWC - Shoreline Region-Guilford System	40,691	59	2.396	0.885	0.625	16.0%	3.906	-	3.906	6.060	1.000	7.060	0.116	3.154	6	53	2.152	0.586	3.623	3.623	3.437
CTWC - Shoreline Region-Point O Woods	937	34	0.032	0.000	0.011	25.0%	0.043	-	0.043	0.111	-	0.111	-	0.068	-	34	0.032	0.006	0.039	0.039	0.072
CTWC - Shoreline Region-Sound View	1,797	27	0.048	0.006	0.003	5.0%	0.057	-	0.057	0.162	-	0.162	-	0.105	-	27	0.048	0.003	0.057	0.057	0.105
CTWC - South Coventry System	501	51	0.025	-	0.004	13.9%	0.030	-	0.030	0.048		0.048		0.018	1	50	0.025	0.004	0.029	0.029	0.018
CTWC - Spice Hill Division	712	40	0.028	-	-	-	0.028	-	0.028	0.049		0.049	0.000	0.020	-	40	0.028	-	0.028	0.028	0.020
CTWC - Unionville System	17,331	96	1.663	0.553	0.141	6.0%	2.357	-	2.357	2.505	0.650	3.155	0.764	0.798	6	90	1.559	0.141	2.253	2.253	0.902
CTWC - Wellswood Village Div	60	52	0.003	-	-	-	0.003	-	0.003	0.016		0.016		0.013	2	50	0.003	-	0.003	0.003	0.013
CTWC - Westchester East	153	32	0.005	-	-	-	0.005	-	0.005	0.039		0.039		0.034	-	32	0.005	-	0.005	0.005	0.034
Dartmouth Village Elderly Housing	25	75	0.002	-	-	-	0.002	-	0.002	0.050		0.050		0.048	6	69	0.002	-	0.002	0.002	0.048
Deer Park Apartments	125	75	0.009	-	-	-	0.009	-	0.009	0.050		0.050		0.041	6	69	0.009	-	0.009	0.009	0.041
Durham Center Division	140	75	0.011	-	-	-	0.011	-	0.011	0.050	0.220	0.270		0.260	6	69	0.010	-	0.010	0.010	0.260
Durham Elderly Housing Division	50	75	0.004	-	-	-	0.004	-	0.004	0.050		0.050		0.046	6	69	0.003	-	0.003	0.003	0.047
Durham Lexington Place Division	45	75	0.003	-	-	-	0.003	-	0.003	0.050		0.050		0.047	6	69	0.003	-	0.003	0.003	0.047
East Hampton WPCA - Royal Oaks System	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
East Hampton WPCA - Village Center	9,650	77	0.748	0.105	0.095	10.0%	0.947	-	0.947	0.722	-	0.722	-	(0.225)	6	71	0.690	0.095	0.890	0.890	(0.168)
East Windsor Housing Authority	94	75	0.007	-	-	-	0.007	-	0.007	0.022		0.022		0.015	6	69	0.006	-	0.006	0.006	0.015
Eastview Kozley Water Association	60	75	0.005	-	-	-	0.005	-	0.005	0.018		0.018		0.014	6	69	0.004	-	0.004	0.004	0.014
Edgemere Condominium Assn., Inc.	540	75	0.041	-	-	-	0.041	-	0.041	0.050		0.050		0.010	6	69	0.037	-	0.037	0.037	0.013
Ethel Walker School	325	75	0.024	-	-	-	0.024	-	0.024	0.050		0.050		0.026	6	69	0.022	-	0.022	0.022	0.028
Evergreen Trailer Park - System #1	45	46	0.002	-	-	-	0.002	-	0.002	0.019		0.019		0.017	-	46	0.002	-	0.002	0.002	0.017
Evergreen Trailer Park - System #2	35	39	0.001	-	-	-	0.001	-	0.001	0.015		0.015		0.014	-	39	0.001	-	0.001	0.001	0.014
Evergreen Trailer Park - System #3	68	49	0.003	-	-	-	0.003	-	0.003	0.029		0.029		0.026	-	49	0.003	-	0.003	0.003	0.026
Evergreen Trailer Park - System #4	110	75	0.008	-	-	-	0.008	-	0.008	0.021		0.021		0.012	6	69	0.008	-	0.008	0.008	0.013
Franklin Academy	81	75	0.006	-	-	-	0.006	-	0.006	0.030		0.030		0.024	6	69	0.006	-	0.006	0.006	0.025
Goodspeed Actor Housing - The Village	40	75	0.003	-	-	-	0.003	-	0.003	0.022		0.022		0.019	6	69	0.003	-	0.003	0.003	0.019
GQC Well Commission	360	43	0.016	-	-	-	0.016	-	0.016	0.050		0.050		0.034	-	43	0.016	-	0.016	0.016	0.034
Grant Hill Associates, Inc.	97	75	0.007	-	-	-	0.007	-	0.007	0.045		0.045		0.038	6	69	0.007	-	0.007	0.007	0.039
Hazardville - Rye Hill System	352	72	0.025	-	0.003	10.9%	0.028	-	0.028	-	0.100	0.100	0.028	0.072	6	66	0.023	0.003	0.026	0.026	0.074
Hazardville Water Company	18,310	62	1.136	0.214	0.162	10.7%	1.511	0.002	1.510	4.435	-	4.435		2.924	6	56	1.026	0.162	1.401	1.400	3.034
Hebron Arms Apartments	39	25	0.001	-	-	-	0.001	-	0.001	0.019		0.019		0.018	-	25	0.001	-	0.001	0.001	0.018
Hemlock Apartments	72	29	0.002	-	-	-	0.002	-	0.002	0.026		0.026		0.024	-	29	0.002	-	0.002	0.002	0.024
Heritage Cove Condominiums	208	75	0.016	-	-	-	0.016	-	0.016	0.050		0.050		0.034	6	69	0.014	-	0.014	0.014	0.036
High Meadow	38	75	0.003	-	-	-	0.003	-	0.003	0.011		0.011		0.008	6	69	0.003	-	0.003	0.003	0.009
Hillside Condominiums	96	35	0.003	-	-	-	0.003	-	0.003	0.050		0.050		0.047	-	35	0.003	-	0.003	0.003	0.047
Hillside Corporation	136	75	0.010	-	-	-	0.010	-	0.010	0.018		0.018		0.008	6	69	0.009	-	0.009	0.009	0.009
Hop River Homes	26	75	0.002	-	-	-	0.002	-	0.002	0.038		0.038		0.036	6	69	0.002	-	0.002	0.002	0.036
Hunting Lodge Apartments	115	75	0.009	-	-	-	0.009	-	0.009	0.035		0.035		0.026	6	69	0.008	-	0.008	0.008	0.027
Ivy Woods	207	29	0.006	-	-	-	0.006	-	0.006	0.050		0.050		0.044	-	29	0.006	-	0.006	0.006	0.044
Johnson Memorial Hospital, Inc	250	75	0.019	-	-	-	0.019	-	0.019	0.050		0.050		0.031	6	69	0.017	-	0.017	0.017	0.033
Juniper Club Inc.	104	75	0.008	-	-	-	0.008	-	0.008	0.027		0.027		0.019	6	69	0.007	-	0.007	0.007	0.020
Kensington Fire District	7,965	73	0.584	0.270	0.116	12.0%	0.970	-	0.970	-	0.970	0.970	0.970	-	6	67	0.536	0.116	0.923	0.923	-
Knollwood Acres Apartments	312	75	0.023	-	-	-	0.023	-	0.023	0.050		0.050		0.027	6	69	0.022	-	0.022	0.022	0.028
Lakeview Estates	78	75	0.006	-	-	-	0.006	-	0.006	0.050		0.050		0.044	6	69	0.005	-	0.005	0.005	0.045
Laurel Heights Association, Inc.	45	75	0.003	-	-	-	0.003	-	0.003	0.009		0.009		0.005	6	69	0.003	-	0.003	0.003	0.006
Laurel Hill Water Association	86	75	0.006	-	-	-	0.006	-	0.006	0.024		0.024		0.017	6	69	0.006	-	0.006	0.006	0.018
Lyme Academy Apartments,LLC	48	75	0.004	-	-	-	0.004	-	0.004	0.050		0.050		0.046	6	69	0.003	-	0.003	0.003	0.047

Appended Table 3: 20-Year (2030) Projected ADD and Existing Available Water for Community Water Systems (mgd)

Community Water System	2030 Residential Service Area Population	Residential Per-Capita Demand (gpcd)	2030 Residential Demand	2030 Non-Residential Demand	2030 Unaccounted-for Water	Percent Unaccounted-for Water	2030 Total ADD	2030 Water Sold to Other Utilities	2030 System ADD	Existing Available Water (ADD) from Sources	Existing Available Water (ADD) from Interconnections	Existing Total Available Water (ADD) for System	Water Purchased from Other Utilities	Available Water Surplus / Deficit for Total ADD	Residential Per-Capita Demand Reduction (gpcd)	New Residential Per-Capita Demand with Water Conservation (gpcd)	2030 Residential Demand with Water Conservation	2030 Unaccounted-for Water with Water Conservation	2030 Total ADD with Water Conservation	2030 System ADD with Water Conservation	Available Water Surplus / Deficit for Total ADD with Water Conservation
Lyme Regis, Inc.	32	50	0.002	-	-	-	0.002	-	0.002	0.009		0.009		0.007	-	50	0.002	-	0.002	0.002	0.007
Lymewood Elderly Housing	50	75	0.004	-	-	-	0.004	-	0.004	0.050		0.050		0.046	6	69	0.003	-	0.003	0.003	0.047
M&M Realty Holdings LLC	32	75	0.002	-	-	-	0.002	-	0.002	0.050		0.050		0.048	6	69	0.002	-	0.002	0.002	0.048
Mallard Cove Condominium Assn.	177	45	0.008	-	-	-	0.008	-	0.008	0.050		0.050		0.042	-	45	0.008	-	0.008	0.008	0.042
Manchester Water Department	60,999	66	4.023	1.313	0.942	15.0%	6.278	0.005	6.273	9.179	-	9.179	-	2.901	6	60	3.658	0.942	5.912	5.907	3.267
Mansfield Village, LLC	40	39	0.002	-	-	-	0.002	-	0.002	0.010		0.010		0.009	-	39	0.002	-	0.002	0.002	0.009
Maplewood Apartments	153	75	0.011	-	-	-	0.011	-	0.011	0.025		0.025		0.013	6	69	0.011	-	0.011	0.011	0.014
Markowski Farms	155	75	0.012	-	-	-	0.012	-	0.012	0.038		0.038		0.026	6	69	0.011	-	0.011	0.011	0.027
Marlborough Health Care Center, Inc	165	75	0.012	-	-	-	0.012	-	0.012	0.028		0.028		0.016	6	69	0.011	-	0.011	0.011	0.017
Meadowbrook Apartments, LLC	60	75	0.005	-	-	-	0.005	-	0.005	0.050		0.050		0.046	6	69	0.004	-	0.004	0.004	0.046
Meadowbrook Manor LLC	30	75	0.002	-	-	-	0.002	-	0.002	0.010		0.010		0.008	6	69	0.002	-	0.002	0.002	0.008
Meriden Water Division	64,020	66	4.225	1.164	0.951	15.0%	6.340	0.002	6.338	6.110	-	6.110	-	(0.230)	6	60	3.841	0.951	5.956	5.954	0.154
Metacomet Homes-Well 1	27	75	0.002	-	-	-	0.002	-	0.002	0.009		0.009		0.007	6	69	0.002	-	0.002	0.002	0.007
Metacomet Homes-Well 2	36	75	0.003	-	-	-	0.003	-	0.003	0.009		0.009		0.006	6	69	0.002	-	0.002	0.002	0.006
Metropolitan District Commission	426,315	79	33.542	16.545	7.000	12.3%	57.088	1.698	55.390	77.100		77.100		20.012	6	73	30.985	7.000	54.530	52.832	22.570
Miami Beach Water Company	440	75	0.033	-	-	-	0.033	-	0.033	0.050		0.050		0.017	6	69	0.030	-	0.030	0.030	0.020
Middlefield Housing Authority	62	75	0.005	-	-	-	0.005	-	0.005	0.009		0.009		0.004	6	69	0.004	-	0.004	0.004	0.004
Middletown Water Department	43,382	64	2.776	0.972	0.662	15.0%	4.410	-	4.410	7.254	-	7.254	-	2.844	6	58	2.516	0.662	4.150	4.150	3.104
Mile Creek Apartments	60	75	0.005	-	-	-	0.005	-	0.005	0.014		0.014		0.010	6	69	0.004	-	0.004	0.004	0.010
Natural Park Apartments, LLC	60	75	0.005	-	-	-	0.005	-	0.005	0.043		0.043		0.039	6	69	0.004	-	0.004	0.004	0.039
New Britain Water Department	79,800	75	5.985	4.337	0.558	5.1%	10.880	1.887	8.993	12.640	5.000	17.640	-	6.760	6	69	5.506	0.558	10.402	8.514	7.238
Nod Hill Apartments	48	75	0.004	-	-	-	0.004	-	0.004	0.008		0.008		0.004	6	69	0.003	-	0.003	0.003	0.004
North Willington Village Condo Assoc.	66	75	0.005	-	-	-	0.005	-	0.005	0.029		0.029		0.024	6	69	0.005	-	0.005	0.005	0.025
Northford Glen Condominium Association	84	75	0.006	-	-	-	0.006	-	0.006	0.050		0.050		0.044	6	69	0.006	-	0.006	0.006	0.044
Norwegian Woods Apartments	252	75	0.019	-	-	-	0.019	-	0.019	0.043		0.043		0.024	6	69	0.017	-	0.017	0.017	0.026
Oak Grove Senior Housing Corp	72	75	0.005	-	-	-	0.005	-	0.005	0.013		0.013		0.008	6	69	0.005	-	0.005	0.005	0.008
Old Indian Trail	32	75	0.002	-	-	-	0.002	-	0.002	0.013		0.013		0.011	6	69	0.002	-	0.002	0.002	0.011
Old Newgate Ridge Water Company Inc	208	75	0.016	-	-	-	0.016	-	0.016	0.050		0.050		0.034	6	69	0.014	-	0.014	0.014	0.036
Orchard Acres Association	176	75	0.013	-	-	-	0.013	-	0.013	0.032		0.032		0.019	6	69	0.012	-	0.012	0.012	0.020
Orchard Hill Association	30	67	0.002	-	-	-	0.002	-	0.002	0.050		0.050		0.048	6	61	0.002	-	0.002	0.002	0.048
Portland Water Department	4,500	107	0.480	0.150	0.158	20.0%	0.788	-	0.788	0.300	1.100	1.400	0.447	0.613	6	101	0.453	0.118	0.721	0.721	0.679
Quonnipaug Hills - Main System	564	75	0.042	-	-	-	0.042	-	0.042	0.048		0.048		0.005	6	69	0.039	-	0.039	0.039	0.009
Quonnipaug Hills - Section I	27	75	0.002	-	-	-	0.002	-	0.002	0.010		0.010		0.008	6	69	0.002	-	0.002	0.002	0.008
Reja - Rainbow Spring Water Company	11	245	0.003	-	-	-	0.003	-	0.003	0.050		0.050		0.047	6	239	0.003	-	0.003	0.003	0.047
Renwood Apartments	190	75	0.014	-	-	-	0.014	-	0.014	0.050		0.050		0.036	6	69	0.013	-	0.013	0.013	0.037
Ridgeview Heights	96	75	0.007	-	-	-	0.007	-	0.007	0.050		0.050		0.043	6	69	0.007	-	0.007	0.007	0.043
Ridgewood Hills Association, System #1	18	75	0.001	-	-	-	0.001	-	0.001	0.019		0.019		0.018	6	69	0.001	-	0.001	0.001	0.018
Ridgewood Hills Association, System #2	18	75	0.001	-	-	-	0.001	-	0.001	0.019		0.019		0.018	6	69	0.001	-	0.001	0.001	0.018
Ridgewood Hills Association, System #3	18	75	0.001	-	-	-	0.001	-	0.001	0.019		0.019		0.018	6	69	0.001	-	0.001	0.001	0.018
Ridgewood Hills Association, System #4	18	75	0.001	-	-	-	0.001	-	0.001	0.019		0.019		0.018	6	69	0.001	-	0.001	0.001	0.018
Riverdale Properties, Inc.	96	75	0.007	-	-	-	0.007	-	0.007	0.050		0.050		0.043	6	69	0.007	-	0.007	0.007	0.043
Rockridge Condominiums	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rye Field Manor Elderly Housing	78	75	0.006	-	-	-	0.006	-	0.006	0.016		0.016		0.010	6	69	0.005	-	0.005	0.005	0.011
Safe Harbor, Inc.	50	75	0.004	-	-	-	0.004	-	0.004	0.050		0.050		0.046	6	69	0.003	-	0.003	0.003	0.047
Salmon Brook District Water Dept	934	75	0.070	0.063	0.029	18.0%	0.162		0.162	0.269	-	0.269	-	0.107	6	69	0.064	0.024	0.152	0.152	0.117
Saybrook At Haddam	155	75	0.012	-	-	-	0.012	-	0.012	0.019		0.019		0.008	6	69	0.011	-	0.011	0.011	0.009
SCCRWA	415,141	52	21.587	12.386	3.775	10.0%	37.748	0.116	37.632	69.100		69.100		31.352	2	50	20.757	3.775	36.918	36.802	32.182
School Hill Association, Inc.	77	87	0.007	-	-	-	0.007	-	0.007	0.013		0.013		0.006	6	81	0.006	-	0.006	0.006	0.007
Shaker Heights Water Company	172	83	0.014	-	-	-	0.014	-	0.014	0.050		0.050		0.036	6	77	0.013	-	0.013	0.013	0.037
Sharon Heights Water Association	51	75	0.004	-	-	-	0.004	-	0.004	0.032		0.032		0.029	6	69	0.004	-	0.004	0.004	0.029
Southington Water Department	45,312	61	2.774	1.044	0.510	11.8%	4.328	-	4.328	7.000	-	7.000	-	2.672	6	55	2.503	0.510	4.057	4.057	2.943
Southridge Park Apartments	50	75	0.004	-	-	-	0.004	-	0.004	0.050		0.050		0.046	6	69	0.003	-	0.003	0.003	0.047
Stafford Hollow Water Association	429	75	0.032	-	-	-	0.032	-	0.032	0.050		0.050		0.018	6	69	0.030	-	0.030	0.030	0.020
Stone Pond Condominiums	141	75	0.011	-	-	-	0.011	-	0.011	0.050		0.050		0.039	6	69	0.010	-	0.010	0.010	0.040
Sunset Apartments LLC	46	75	0.003	-	-	-	0.003	-	0.003	0.050		0.050		0.047	6	69	0.003	-	0.003	0.003	0.047
Sylvan Ridge Condominiums	84	75	0.006	-	-	-	0.006	-	0.006	0.039		0.039		0.033	6	69	0.006	-	0.006	0.006	0.033
Tariffville Fire District Water Dept	1,371	60	0.082	0.016	0.009	8.0%	0.107	-	0.107	0.252	-	0.252	-	0.145	6	54	0.074	0.009	0.099	0.099	0.153
Tolland Water Department	2,022	70	0.142	0.076	0.020	8.6%	0.238	0.012	0.226	0.304	-	0.304	-	0.066	6	64	0.129	0.020	0.226	0.214	0.079
Tolland Water Dept - Torry Road	204	46	0.009	0.002	0.001	7.1%	0.012	-	0.012	-	0.012	0.012	0.012	-	-	46	0.009	0.001	0.012	0.012	-

Appended Table 3: 20-Year (2030) Projected ADD and Existing Available Water for Community Water Systems (mgd)

Community Water System	2030 Residential Service Area Population	Residential Per-Capita Demand (gpcd)	2030 Residential Demand	2030 Non-Residential Demand	2030 Unaccounted-for Water	Percent Unaccounted-for Water	2030 Total ADD	2030 Water Sold to Other Utilities	2030 System ADD	Existing Available Water (ADD) from Sources	Existing Available Water (ADD) from Interconnections	Existing Total Available Water (ADD) for System	Water Purchased from Other Utilities	Available Water Surplus / Deficit for Total ADD	Residential Per-Capita Demand Reduction (gpcd)	New Residential Per-Capita Demand with Water Conservation (gpcd)	2030 Residential Demand with Water Conservation	2030 Unaccounted-for Water with Water Conservation	2030 Total ADD with Water Conservation	2030 System ADD with Water Conservation	Available Water Surplus / Deficit for Total ADD with Water Conservation
Turkey Hill of East Granby, LLC	360	68	0.025	-	-	-	0.025	-	0.025	0.050		0.050		0.025	6	62	0.022	-	0.022	0.022	0.028
Twin Hills Water District	156	42	0.007	-	-	-	0.007	-	0.007	0.042		0.042		0.036	-	42	0.007	-	0.007	0.007	0.036
Twin Maples Nursing Home	100	75	0.008	-	-	-	0.008	-	0.008	0.023		0.023		0.015	6	69	0.007	-	0.007	0.007	0.016
University of Connecticut - Main Campus	12,699	33	0.415	0.948	0.072	5.0%	1.435	-	1.435	1.480	1.500	2.980	-	1.545	-	33	0.415	0.072	1.435	1.435	1.545
Valley Water Systems, Inc.	19,429	56	1.088	0.228	0.114	8.0%	1.430	-	1.430	3.570	0.200	3.770	0.000	2.340	6	50	0.971	0.114	1.313	1.313	2.457
Vernon Village Inc.	430	75	0.032	-	-	-	0.032	-	0.032	0.050		0.050		0.018	6	69	0.030	-	0.030	0.030	0.020
Village At Crystal Springs	172	28	0.005	-	-	-	0.005	-	0.005	0.029		0.029		0.024	-	28	0.005	-	0.005	0.005	0.024
Walden Apartments	276	75	0.021	-	-	-	0.021	-	0.021	0.050		0.050		0.029	6	69	0.019	-	0.019	0.019	0.031
Wallingford Water Division	41,631	50	2.086	2.118	0.581	12.1%	4.785	-	4.785	9.079	-	9.079	-	4.293	0	50	2.082	0.581	4.781	4.781	4.298
Wellswood Estates Foundation, Inc.	112	75	0.008	-	-	-	0.008	-	0.008	0.022		0.022		0.013	6	69	0.008	-	0.008	0.008	0.014
Westside Manor	30	75	0.002	-	-	-	0.002	-	0.002	0.010		0.010		0.007	6	69	0.002	-	0.002	0.002	0.008
Whispering Hills, LLC - Well A System	16	75	0.001	-	-	-	0.001	-	0.001	0.010		0.010		0.009	6	69	0.001	-	0.001	0.001	0.009
Whispering Hills, LLC - Well D System	48	75	0.004	-	-	-	0.004	-	0.004	0.050		0.050		0.046	6	69	0.003	-	0.003	0.003	0.047
White Oak Condominiums	192	75	0.014	-	-	-	0.014	-	0.014	0.037		0.037		0.022	6	69	0.013	-	0.013	0.013	0.023
Willington Ridge Condos - System #1	102	75	0.008	-	-	-	0.008	-	0.008	0.017		0.017		0.010	6	69	0.007	-	0.007	0.007	0.010
Willington Ridge Condos - System #2	102	75	0.008	-	-	-	0.008	-	0.008	0.015		0.015		0.007	6	69	0.007	-	0.007	0.007	0.008
Willington Senior Center & Housing	32	75	0.002	-	-	-	0.002	-	0.002	0.039		0.039		0.036	6	69	0.002	-	0.002	0.002	0.037
Windham Water Works	2,871	55	0.157	0.124	0.043	13.3%	0.324	-	0.324	4.100	-	4.100	-	3.776	5	50	0.144	0.043	0.310	0.310	3.790
Woodhaven Apartments	489	75	0.037	-	-	-	0.037	-	0.037	0.030		0.030		(0.006)	6	69	0.034	-	0.034	0.034	(0.004)
Woodland Summit Community Water Assn	216	75	0.016	-	-	-	0.016	-	0.016	0.023		0.023		0.007	6	69	0.015	-	0.015	0.015	0.008
Woodland Terrace	27	75	0.002	-	-	-	0.002	-	0.002	0.019		0.019		0.017	6	69	0.002	-	0.002	0.002	0.018
Worthington Fire District	3,068	70	0.215	0.097	0.047	13.1%	0.359	-	0.359	-	0.685	0.685	0.359	0.326	6	64	0.196	0.047	0.340	0.340	0.345
Yeshiva of Waterbury-Durham Campus (Formerly Stonegate Springs NTN	95	75	0.007	-	-	-	0.007	-	0.007	0.050		0.050		0.043	6	69	0.007	-	0.007	0.007	0.043
TOTAL FOR CENTRAL PWSMA	**1,512,544**	**66**	**99.863**	**49.284**	**19.031**		**168.177**	**4.113**	**164.064**	**266.806**	**14.464**	**281.270**	**4.002**	**113.093**		**61**	**92.859**	**18.831**	**160.974**	**156.861**	**120.249**
CTWC - Naugatuck Reg-Collinsville Sys **(FULL SYSTEM)**	5,487	71	0.389	0.091	0.004	0.8%	0.484	-	0.484	-	1.300	1.300	0.479	0.816	6	65	0.356	0.004	0.451	0.451	0.849
Meriden Water Division **(FULL SYSTEM)**	64,070	66	4.228	1.164	0.951	15.0%	6.344	0.002	6.342	9.210	0.500	9.710	0.220	3.366	6	60	3.844	0.951	5.959	5.958	3.751
SCCRWA **(FULL SYSTEM)**	478,712	52	24.893	15.427	4.480	10.0%	44.800	1.472	43.328	76.700	-	76.700	-	31.900	2	50	23.936	4.480	43.843	42.370	32.857
Southington Water Department **(FULL SYSTEM)**	45,785	61	2.810	1.054	0.516	11.8%	4.380	-	4.380	7.000	-	7.000	-	2.620	6	55	2.535	0.516	4.105	4.105	2.895
Wallingford Water Division **(FULL SYSTEM)**	41,759	50	2.093	2.118	0.582	12.1%	4.793	-	4.793	9.079	-	9.079	-	4.286	0	50	2.088	0.582	4.788	4.788	4.291
Windham Water Works **(FULL SYSTEM)**	24,675	52	1.274	1.000	0.349	13.3%	2.622	-	2.622	4.100	-	4.100	-	1.478	2	50	1.234	0.349	2.583	2.583	1.517

Notes: Kensington Fire District obtains all necessary water from New Britain Water Department. Available water is assumed equal to demand.
Tolland Water Department - Torry Road receives all necessary water from CWC. Available water is assumed equal to demand.
CTWC - Collinsville, Meriden Water Division, SCCRWA, Southington Water Department, Wallingford Water Division, and WWW demands above include areas outside of the Central PWSMA. Data for full system are shown at the bottom of the table.
East Hampton WPCA - Royal Oaks system expected to be consolidated with expanded municipal system in 20-year planning period.
Willington Oaks Apartments and Rockridge Condominiums expected to be consolidated into the CWC - Western System within the 5-year planning horizon.
Data is summarized from Table B-5 in Appendix B and represents the most current data available from water utilities, WSPs, or DPH records
Available water is for existing sources only and generally does not include future sources planned by a utility or potential reductions in available water
Surpluses and deficits shown at a MOS of 1.0 (i.e., no additional water set aside).

Water conservation projection calculated by MMI based on system data from Table B-5.

Appended Table 4: 50-Year (2060) Projected ADD and Existing Available Water for Community Water Systems (mgd)

Community Water System	2060 Residential Service Area Population	Residential Per-Capita Demand (gpcd)	2060 Residential Demand	2060 Non-Residential Demand	2060 Unaccounted-for Water	Percent Unaccounted-for Water	2060 Total ADD	2060 Water Sold to Other Utilities	2060 System ADD	Existing Available Water (ADD) from Sources	Existing Available Water (ADD) from Interconnections	Existing Total Available Water (ADD) for System	Water Purchased from Other Utilities	Available Water Surplus or Deficit for Total ADD	Residential Per-Capita Demand Reduction (gpcd)	New Residential Per-Capita Demand with Water Conservation (gpcd)	2060 Residential Demand with Water Conservation	2060 Unaccounted-for Water with Water Conservation	2060 Total ADD with Water Conservation	2060 System ADD with Water Conservation	Available Water Surplus or Deficit for Total ADD with Water Conservation
166 & 180 Boston Turnpike	31	16	0.001	-	-	-	0.001	-	0.001	0.050		0.050		0.050	-	16	0.001	-	0.001	0.001	0.050
298-302 Albany Turnpike	28	75	0.002	-	-	-	0.002	-	0.002	0.006		0.006		0.004	10	65	0.002	-	0.002	0.002	0.005
31 Grist Mill Rd	19	118	0.002	-	-	-	0.002	-	0.002	0.031		0.031		0.029	10	108	0.002	-	0.002	0.002	0.029
890 Boston Turnpike	60	75	0.005	-	-	-	0.005	-	0.005	0.032		0.032		0.028	10	65	0.004	-	0.004	0.004	0.029
Aaron Manor Nursing & Rehab Center	81	75	0.006	-	-	-	0.006	-	0.006	0.017		0.017		0.011	10	65	0.005	-	0.005	0.005	0.012
Abby Water LLC	100	75	0.008	-	-	-	0.008	-	0.008	0.027		0.027		0.020	10	65	0.007	-	0.007	0.007	0.021
Ah 2 LLC (formerly Woods Edge Apartments, LLC)	96	38	0.004	-	-	-	0.004	-	0.004	0.019		0.019		0.016	-	38	0.004	-	0.004	0.004	0.016
Apple Valley Village	70	93	0.007	-	-	-	0.007	-	0.007	0.050		0.050		0.044	10	83	0.006	-	0.006	0.006	0.044
Aquarion Water Co of CT - W Service Corp	595	71	0.042	0.000	0.003	6.7%	0.046	-	0.046	0.050		0.050		0.004	10	61	0.036	0.003	0.040	0.040	0.010
Aquarion Water Co of CT-Birchwood Estate	251	48	0.012	-	0.011	48.4%	0.023	-	0.023	0.010		0.010		(0.014)	-	48	0.012	0.004	0.016	0.016	(0.006)
Aquarion Water Co of CT-East Hampton Div	189	34	0.006	-	0.001	10.9%	0.007	-	0.007	0.008		0.008		0.001	-	34	0.006	0.001	0.007	0.007	0.001
Aquarion Water Co of CT-Simsbury System	16,669	99	1.650	0.560	0.390	15.0%	2.600	-	2.600	4.908	-	4.908	-	2.308	10	89	1.483	0.390	2.433	2.433	2.475
Aquarion Water Co of CT-Valley View	131	46	0.006	-	0.000	2.3%	0.006	-	0.006	0.013		0.013		0.007	-	46	0.006	0.000	0.006	0.006	0.007
Avon Water Co	16,670	83	1.386	0.567	0.211	9.7%	2.164	0.057	2.107	4.777	-	4.777		2.613	10	73	1.219	0.211	1.997	1.941	2.779
Baxter Farms Community Water Assoc	175	75	0.013	-	-	-	0.013	-	0.013	0.031		0.031		0.018	10	65	0.011	-	0.011	0.011	0.020
Bellwood Court	31	75	0.002	-	-	-	0.002	-	0.002	0.008		0.008		0.005	10	65	0.002	-	0.002	0.002	0.006
Berlin Water Control Commission	8,990	68	0.610	0.653	0.140	10.0%	1.404	0.218	1.185	0.756	1.600	2.356	0.743	0.952	10	58	0.520	0.140	1.314	1.095	1.042
Bethany Mobile Home Park	138	75	0.010	-	-	-	0.010	-	0.010	0.050		0.050		0.040	10	65	0.009	-	0.009	0.009	0.041
Bittersweet Ridge Water Association	40	75	0.003	-	-	-	0.003	-	0.003	0.010		0.010		0.007	10	65	0.003	-	0.003	0.003	0.007
Blue Trails Water Association	456	75	0.034	-	-	-	0.034	-	0.034	0.082		0.082		0.048	10	65	0.030	-	0.030	0.030	0.052
Boxwood Condominium Association	28	75	0.002	-	-	-	0.002	-	0.002	0.011		0.011		0.009	10	65	0.002	-	0.002	0.002	0.009
Carriage House Apartments	196	75	0.015	-	-	-	0.015	-	0.015	0.050		0.050		0.035	10	65	0.013	-	0.013	0.013	0.037
Cedar Ridge Apartments	300	75	0.023	-	-	-	0.023	-	0.023	0.017		0.017		(0.005)	10	65	0.020	-	0.020	0.020	(0.002)
Chadwick Homeowners Assn., Inc.	292	75	0.022	-	-	-	0.022	-	0.022	0.050		0.050		0.028	10	65	0.019	-	0.019	0.019	0.031
Chatham Acres Elderly Housing	50	75	0.004	-	-	-	0.004	-	0.004	0.050		0.050		0.046	10	65	0.003	-	0.003	0.003	0.047
Chatham Apartments	40	75	0.003	-	-	-	0.003	-	0.003	0.043		0.043		0.040	10	65	0.003	-	0.003	0.003	0.041
Chelsea Common Condominium Association	126	32	0.004	-	-	-	0.004	-	0.004	0.030		0.030		0.026	-	32	0.004	-	0.004	0.004	0.026
Chestelm Health & Rehabilitation Center	120	58	0.007	-	-	-	0.007	-	0.007	0.019		0.019		0.012	8	50	0.006	-	0.006	0.006	0.013
Club House Apartments	115	75	0.009	-	-	-	0.009	-	0.009	0.014		0.014		0.005	10	65	0.007	-	0.007	0.007	0.006
Cobalt Lodge Healthcare & Rehab Center (Z, Inc.)	130	33	0.004	-	-	-	0.004	-	0.004	0.050		0.050		0.046	-	33	0.004	-	0.004	0.004	0.046
Connecticut Correctional Institute	6,527	91	0.595	0.065	0.145	18.0%	0.805	-	0.805	1.300	-	1.300	-	0.495	10	81	0.529	0.121	0.715	0.715	0.585
Connecticut Valley Hospital	816	88	0.072	0.229	-	-	0.301	-	0.301	0.693	-	0.693	-	0.392	10	78	0.064	-	0.293	0.293	0.400
Cook Drive Association	49	116	0.006	-	-	-	0.006	-	0.006	0.011		0.011		0.005	10	106	0.005	-	0.005	0.005	0.006
Coventry Housing Authority-Lower System	80	27	0.002	-	-	-	0.002	-	0.002	0.043		0.043		0.041	-	27	0.002	-	0.002	0.002	0.041
Coventry Housing Authority-Upper System	80	18	0.001	-	-	-	0.001	-	0.001	0.017		0.017		0.016	-	18	0.001	-	0.001	0.001	0.016
Cromwell Fire District Water Department	18,300	74	1.360	0.900	0.192	7.8%	2.452	0.076	2.376	7.870		7.870		5.418	10	64	1.177	0.192	2.269	2.193	5.601
CTWC - Amston Lake Division	910	31	0.028	-	-	-	0.028	-	0.028	0.044		0.044		0.016	-	31	0.028	-	0.028	0.028	0.016
CTWC - Baker Hill Division	203	29	0.006	-	-	-	0.006	-	0.006	0.029		0.029	0.000	0.023	-	29	0.006	-	0.006	0.006	0.023
CTWC - Banner Village	265	24	0.006	-	0.003	31.9%	0.009	-	0.009	0.050		0.050		0.041	-	24	0.006	0.001	0.008	0.008	0.042
CTWC - Birchwood Heights	76	28	0.002	-	0.000	9.7%	0.002	-	0.002	0.015		0.015		0.013	-	28	0.002	0.000	0.002	0.002	0.013
CTWC - Chimney Hill	227	103	0.023	-	0.015	38.4%	0.038	-	0.038	-	0.050	0.050	0.038	0.012	10	93	0.021	0.006	0.027	0.027	0.023
CTWC - Columbia Heights Div.	32	150	0.005	-	-	-	0.005	-	0.005	0.018		0.018		0.013	10	140	0.004	-	0.004	0.004	0.013
CTWC - Country Manor Apartments	72	40	0.003	-	-	-	0.003	-	0.003	0.027		0.027		0.024	-	40	0.003	-	0.003	0.003	0.024
CTWC - Coventry Hills Div	700	44	0.031	-	-	-	0.031	-	0.031	0.050		0.050		0.019	-	44	0.031	-	0.031	0.031	0.019
CTWC - Crystal Springs Div.	169	36	0.006	-	-	-	0.006	-	0.006	0.021		0.021		0.015	-	36	0.006	-	0.006	0.006	0.015
CTWC - Florence Lord (Mash)	30	35	0.001	-	-	-	0.001	-	0.001	0.034		0.034		0.033	-	35	0.001	-	0.001	0.001	0.033
CTWC - Forest Homes Division	100	45	0.005	-	-	-	0.005	-	0.005	0.005		0.005		0.001	-	45	0.005	-	0.005	0.005	0.001
CTWC - General Water Division	306	45	0.014	-	0.004	20.9%	0.017	-	0.017	0.043		0.043		0.026	-	45	0.014	0.003	0.016	0.016	0.027
CTWC - Green Springs System	104	41	0.004	-	0.000	2.6%	0.004	-	0.004	0.028		0.028		0.024	-	41	0.004	0.000	0.004	0.004	0.024
CTWC - Hebron Center Division	235	50	0.012	0.018	0.001	2.3%	0.031	-	0.031	0.050	-	0.050	-	0.019	(0)	50	0.012	0.001	0.031	0.031	0.019
CTWC - Jensens Beechwood System	750	40	0.030	-	-	-	0.030	-	0.030	0.050		0.050		0.020	-	40	0.030	-	0.030	0.030	0.020
CTWC - Lake Hayward	650	8	0.005	-	0.004	43.1%	0.009	-	0.009	0.050		0.050		0.041	-	8	0.005	0.001	0.007	0.007	0.043
CTWC - Legend Hill System	247	35	0.009	0.004	0.001	9.2%	0.014		0.014	0.050		0.050		0.036	-	35	0.009	0.001	0.014	0.014	0.036
CTWC - London Park Division	221	38	0.008	-	0.001	13.1%	0.010	-	0.010	0.050		0.050		0.040	-	38	0.008	0.001	0.010	0.010	0.040
CTWC - Marlborough Gardens	110	35	0.004	-	-	-	0.004	-	0.004	0.024		0.024		0.020	-	35	0.004	-	0.004	0.004	0.020
CTWC - Mill At Stonecroft Div	127	65	0.008	-	-	-	0.008	-	0.008	0.036		0.036		0.027	10	55	0.007	-	0.007	0.007	0.029
CTWC - Naugatuck Reg-Collinsville Sys	5,429	71	0.385	0.094	0.004	0.8%	0.482	-	0.482	-	1.300	1.300	0.479	0.818	10	61	0.330	0.004	0.428	0.428	0.872
CTWC - Northern Region-Lakeview Terrace	472	26	0.012	-	0.003	19.5%	0.015	-	0.015	0.022		0.022		0.007	-	26	0.012	0.002	0.015	0.015	0.008

Appended Table 4: 50-Year (2060) Projected ADD and Existing Available Water for Community Water Systems (mgd)

Community Water System	2060 Residential Service Area Population	Residential Per-Capita Demand (gpcd)	2060 Residential Demand	2060 Non-Residential Demand	2060 Unaccounted-for Water	Percent Unaccounted-for Water	2060 Total ADD	2060 Water Sold to Other Utilities	2060 System ADD	Existing Available Water (ADD) from Sources	Existing Available Water (ADD) from Interconnections	Existing Total Available Water (ADD) for System	Water Purchased from Other Utilities	Available Water Surplus or Deficit for Total ADD	Residential Per-Capita Demand Reduction (gpcd)	New Residential Per-Capita Demand with Water Conservation (gpcd)	2060 Residential Demand with Water Conservation	2060 Unaccounted-for Water with Water Conservation	2060 Total ADD with Water Conservation	2060 System ADD with Water Conservation	Available Water Surplus or Deficit for Total ADD with Water Conservation
CTWC - Northern Region-Lakewood	256	20	0.005	-	0.001	19.5%	0.006	-	0.006	0.009		0.009		0.002	-	20	0.005	0.001	0.006	0.006	0.003
CTWC - Northern Reg-Llynwood System	384	31	0.012	-	-	-	0.012	-	0.012	0.041		0.041		0.029	-	31	0.012	-	0.012	0.012	0.029
CTWC - Northern Reg-Nathan Hale System	160	29	0.005	-	-	-	0.005	-	0.005	0.016		0.016		0.011	-	29	0.005	-	0.005	0.005	0.011
CTWC - Northern Reg-Reservoir Heights	62	65	0.004	-	0.001	17.2%	0.005	-	0.005	-	0.007	0.007	0.005	0.002	10	55	0.003	0.001	0.004	0.004	0.003
CTWC - Northern Reg-Stafford System	2,556	58	0.149	0.328	0.053	10.0%	0.530	-	0.530	0.700	-	0.700	-	0.170	8	50	0.128	0.053	0.509	0.509	0.191
CTWC - Northern Reg-Western System	107,909	66	7.114	2.627	1.069	9.9%	10.810	0.040	10.770	17.443	0.040	17.483	0.028	6.672	10	56	6.035	1.069	9.731	9.691	7.751
CTWC - Pilgrim Hills Division	229	61	0.014	-	-	-	0.014	-	0.014	0.050		0.050		0.036	10	51	0.012	-	0.012	0.012	0.038
CTWC - Pinewoods Lane Div	68	17	0.001	-	-	-	0.001	-	0.001	0.019		0.019		0.018	-	17	0.001	-	0.001	0.001	0.018
CTWC - Redwood Farms Division	424	35	0.015	-	0.000	1.5%	0.015	-	0.015	0.050		0.050		0.035	-	35	0.015	0.000	0.015	0.015	0.035
CTWC - Rivercrest Division	88	23	0.002	-	-	-	0.002	-	0.002	0.050		0.050		0.048	-	23	0.002	-	0.002	0.002	0.048
CTWC - Riversedge Division	179	35	0.006	0.003	0.003	22.6%	0.012	-	0.012	-	0.030	0.030	0.012	0.018	-	35	0.006	0.002	0.011	0.011	0.019
CTWC - Sachem Village Condo	166	28	0.005	-	0.001	20.4%	0.006	-	0.006	0.050		0.050		0.044	-	28	0.005	0.001	0.006	0.006	0.044
CTWC - Shoreline Reg-Chester Vllg West	216	28	0.006	-	-	-	0.006	-	0.006	0.015	-	0.015		0.009	-	28	0.006	-	0.006	0.006	0.009
CTWC - Shoreline Region-Chester System	7,067	60	0.424	0.211	0.071	10.0%	0.706	-	0.706	1.340	-	1.340		0.634	10	50	0.353	0.071	0.635	0.635	0.705
CTWC - Shoreline Region-Guilford System	47,410	56	2.642	1.056	0.411	10.0%	4.108	-	4.108	6.060	1.000	7.060	0.116	2.952	6	50	2.371	0.411	3.837	3.837	3.223
CTWC - Shoreline Region-Point O Woods	960	35	0.034	0.000	0.009	20.0%	0.043	-	0.043	0.111	-	0.111	-	0.068	-	35	0.034	0.006	0.041	0.041	0.070
CTWC - Shoreline Region-Sound View	1,835	28	0.052	0.006	0.003	5.0%	0.061	-	0.061	0.162	-	0.162	-	0.101	-	28	0.052	0.003	0.061	0.061	0.101
CTWC - South Coventry System	501	51	0.025	-	0.004	13.9%	0.030	-	0.030	0.048		0.048		0.018	1	50	0.025	0.004	0.029	0.029	0.018
CTWC - Spice Hill Division	712	40	0.028	-	-	-	0.028	-	0.028	0.049		0.049	0.000	0.020	-	40	0.028	-	0.028	0.028	0.020
CTWC - Unionville System	19,897	96	1.910	0.609	0.161	6.0%	2.680	-	2.680	2.505	0.650	3.155	0.764	0.475	10	86	1.711	0.161	2.481	2.481	0.674
CTWC - Wellswood Village Div	60	52	0.003	-	-	-	0.003	-	0.003	0.016		0.016		0.013	2	50	0.003	-	0.003	0.003	0.013
CTWC - Westchester East	153	32	0.005	-	-	-	0.005	-	0.005	0.039		0.039		0.034	-	32	0.005	-	0.005	0.005	0.034
Dartmouth Village Elderly Housing	25	75	0.002	-	-	-	0.002	-	0.002	0.050		0.050		0.048	10	65	0.002	-	0.002	0.002	0.048
Deer Park Apartments	125	75	0.009	-	-	-	0.009	-	0.009	0.050		0.050		0.041	10	65	0.008	-	0.008	0.008	0.042
Durham Center Division	140	75	0.011	-	-	-	0.011	-	0.011	0.050	0.220	0.270		0.260	10	65	0.009	-	0.009	0.009	0.261
Durham Elderly Housing Division	50	75	0.004	-	-	-	0.004	-	0.004	0.050		0.050		0.046	10	65	0.003	-	0.003	0.003	0.047
Durham Lexington Place Division	45	75	0.003	-	-	-	0.003	-	0.003	0.050		0.050		0.047	10	65	0.003	-	0.003	0.003	0.047
East Hampton WPCA - Royal Oaks System	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
East Hampton WPCA - Village Center	11,422	80	0.911	0.155	0.118	10.0%	1.185	-	1.185	0.722	-	0.722	-	(0.463)	10	70	0.796	0.118	1.070	1.070	(0.348)
East Windsor Housing Authority	94	75	0.007	-	-	-	0.007	-	0.007	0.022		0.022		0.015	10	65	0.006	-	0.006	0.006	0.015
Eastview Kozley Water Association	60	75	0.005	-	-	-	0.005	-	0.005	0.018		0.018		0.014	10	65	0.004	-	0.004	0.004	0.014
Edgemere Condominium Assn., Inc.	540	75	0.041	-	-	-	0.041	-	0.041	0.050		0.050		0.010	10	65	0.035	-	0.035	0.035	0.015
Ethel Walker School	325	75	0.024	-	-	-	0.024	-	0.024	0.050		0.050		0.026	10	65	0.021	-	0.021	0.021	0.029
Evergreen Trailer Park - System #1	45	46	0.002	-	-	-	0.002	-	0.002	0.019		0.019		0.017	-	46	0.002	-	0.002	0.002	0.017
Evergreen Trailer Park - System #2	35	39	0.001	-	-	-	0.001	-	0.001	0.015		0.015		0.014	-	39	0.001	-	0.001	0.001	0.014
Evergreen Trailer Park - System #3	68	49	0.003	-	-	-	0.003	-	0.003	0.029		0.029		0.026	-	49	0.003	-	0.003	0.003	0.026
Evergreen Trailer Park - System #4	110	75	0.008	-	-	-	0.008	-	0.008	0.021		0.021		0.012	10	65	0.007	-	0.007	0.007	0.013
Franklin Academy	81	75	0.006	-	-	-	0.006	-	0.006	0.030		0.030		0.024	10	65	0.005	-	0.005	0.005	0.025
Goodspeed Actor Housing - The Village	40	75	0.003	-	-	-	0.003	-	0.003	0.022		0.022		0.019	10	65	0.003	-	0.003	0.003	0.019
GQC Well Commission	360	43	0.016	-	-	-	0.016	-	0.016	0.050		0.050		0.034	-	43	0.016	-	0.016	0.016	0.034
Grant Hill Associates, Inc.	97	75	0.007	-	-	-	0.007	-	0.007	0.045		0.045		0.038	10	65	0.006	-	0.006	0.006	0.039
Hazardville - Rye Hill System	352	81	0.028	-	0.003	10.9%	0.028	-	0.028	-	0.100	0.100	0.028	0.072	10	71	0.025	0.003	0.028	0.028	0.072
Hazardville Water Company	18,310	62	1.136	0.214	0.162	10.7%	1.511	0.002	1.510	4.435	-	4.435		2.924	10	52	0.953	0.162	1.328	1.327	3.107
Hebron Arms Apartments	39	25	0.001	-	-	-	0.001	-	0.001	0.019		0.019		0.018	-	25	0.001	-	0.001	0.001	0.018
Hemlock Apartments	72	29	0.002	-	-	-	0.002	-	0.002	0.026		0.026		0.024	-	29	0.002	-	0.002	0.002	0.024
Heritage Cove Condominiums	208	75	0.016	-	-	-	0.016	-	0.016	0.050		0.050		0.034	10	65	0.014	-	0.014	0.014	0.036
High Meadow	38	75	0.003	-	-	-	0.003	-	0.003	0.011		0.011		0.008	10	65	0.002	-	0.002	0.002	0.009
Hillside Condominiums	96	35	0.003	-	-	-	0.003	-	0.003	0.050		0.050		0.047	-	35	0.003	-	0.003	0.003	0.047
Hillside Corporation	136	75	0.010	-	-	-	0.010	-	0.010	0.018		0.018		0.008	10	65	0.009	-	0.009	0.009	0.010
Hop River Homes	26	75	0.002	-	-	-	0.002	-	0.002	0.038		0.038		0.036	10	65	0.002	-	0.002	0.002	0.036
Hunting Lodge Apartments	115	75	0.009	-	-	-	0.009	-	0.009	0.035		0.035		0.026	10	65	0.007	-	0.007	0.007	0.027
Ivy Woods	207	29	0.006	-	-	-	0.006	-	0.006	0.050		0.050		0.044	-	29	0.006	-	0.006	0.006	0.044
Johnson Memorial Hospital, Inc	250	75	0.019	-	-	-	0.019	-	0.019	0.050		0.050		0.031	10	65	0.016	-	0.016	0.016	0.034
Juniper Club Inc.	104	75	0.008	-	-	-	0.008	-	0.008	0.027		0.027		0.019	10	65	0.007	-	0.007	0.007	0.020
Kensington Fire District	9,640	73	0.703	0.326	0.140	12.0%	1.169	-	1.169	-	1.169	1.169	1.169	-	10	63	0.607	0.140	1.072	1.072	-
Knollwood Acres Apartments	312	75	0.023	-	-	-	0.023	-	0.023	0.050		0.050		0.027	10	65	0.020	-	0.020	0.020	0.030
Lakeview Estates	78	75	0.006	-	-	-	0.006	-	0.006	0.050		0.050		0.044	10	65	0.005	-	0.005	0.005	0.045
Laurel Heights Association, Inc.	45	75	0.003	-	-	-	0.003	-	0.003	0.009		0.009		0.005	10	65	0.003	-	0.003	0.003	0.006

Appended Table 4: 50-Year (2060) Projected ADD and Existing Available Water for Community Water Systems (mgd)

Community Water System	2060 Residential Service Area Population	Residential Per-Capita Demand (gpcd)	2060 Residential Demand	2060 Non-Residential Demand	2060 Unaccounted-for Water	Percent Unaccounted-for Water	2060 Total ADD	2060 Water Sold to Other Utilities	2060 System ADD	Existing Available Water (ADD) from Sources	Existing Available Water (ADD) from Interconnections	Existing Total Available Water (ADD) for System	Water Purchased from Other Utilities	Available Water Surplus or Deficit for Total ADD	Residential Per-Capita Demand Reduction (gpcd)	New Residential Per-Capita Demand with Water Conservation (gpcd)	2060 Residential Demand with Water Conservation	2060 Unaccounted-for Water with Water Conservation	2060 Total ADD with Water Conservation	2060 System ADD with Water Conservation	Available Water Surplus or Deficit for Total ADD with Water Conservation
Laurel Hill Water Association	86	75	0.006	-	-	-	0.006	-	0.006	0.024		0.024		0.017	10	65	0.006	-	0.006	0.006	0.018
Lyme Academy Apartments,LLC	48	75	0.004	-	-	-	0.004	-	0.004	0.050		0.050		0.046	10	65	0.003	-	0.003	0.003	0.047
Lyme Regis, Inc.	32	50	0.002	-	-	-	0.002	-	0.002	0.009		0.009		0.007	-	50	0.002	-	0.002	0.002	0.007
Lymewood Elderly Housing	50	75	0.004	-	-	-	0.004	-	0.004	0.050		0.050		0.046	10	65	0.003	-	0.003	0.003	0.047
M&M Realty Holdings LLC	32	75	0.002	-	-	-	0.002	-	0.002	0.050		0.050		0.048	10	65	0.002	-	0.002	0.002	0.048
Mallard Cove Condominium Assn.	177	45	0.008	-	-	-	0.008	-	0.008	0.050		0.050		0.042	-	45	0.008	-	0.008	0.008	0.042
Manchester Water Department	61,715	66	4.070	1.315	0.950	15.0%	6.336	0.005	6.331	9.179	-	9.179	-	2.843	10	56	3.453	0.950	5.719	5.714	3.460
Mansfield Village, LLC	40	39	0.002	-	-	-	0.002	-	0.002	0.010		0.010		0.009	-	39	0.002	-	0.002	0.002	0.009
Maplewood Apartments	153	75	0.011	-	-	-	0.011	-	0.011	0.025		0.025		0.013	10	65	0.010	-	0.010	0.010	0.015
Markowski Farms	155	75	0.012	-	-	-	0.012	-	0.012	0.038		0.038		0.026	10	65	0.010	-	0.010	0.010	0.028
Marlborough Health Care Center, Inc	165	75	0.012	-	-	-	0.012	-	0.012	0.028		0.028		0.016	10	65	0.011	-	0.011	0.011	0.017
Meadowbrook Apartments, LLC	60	75	0.005	-	-	-	0.005	-	0.005	0.050		0.050		0.046	10	65	0.004	-	0.004	0.004	0.046
Meadowbrook Manor LLC	30	75	0.002	-	-	-	0.002	-	0.002	0.010		0.010		0.008	10	65	0.002	-	0.002	0.002	0.008
Meriden Water Division	68,820	66	4.549	1.223	1.018	15.0%	6.790	0.002	6.788	6.110	-	6.110	-	(0.680)	10	56	3.861	1.018	6.102	6.100	0.008
Metacomet Homes-Well 1	27	75	0.002	-	-	-	0.002	-	0.002	0.009		0.009		0.007	10	65	0.002	-	0.002	0.002	0.007
Metacomet Homes-Well 2	36	75	0.003	-	-	-	0.003	-	0.003	0.009		0.009		0.006	10	65	0.002	-	0.002	0.002	0.006
Metropolitan District Commission	446,999	79	35.170	17.258	7.000	11.8%	59.428	1.698	57.730	77.100		77.100		17.672	10	69	30.700	7.000	54.958	53.260	22.142
Miami Beach Water Company	440	75	0.033	-	-	-	0.033	-	0.033	0.050		0.050		0.017	10	65	0.029	-	0.029	0.029	0.021
Middlefield Housing Authority	62	75	0.005	-	-	-	0.005	-	0.005	0.009		0.009		0.004	10	65	0.004	-	0.004	0.004	0.005
Middletown Water Department	43,382	64	2.776	0.972	0.662	15.0%	4.410	-	4.410	7.254	-	7.254	-	2.844	10	54	2.343	0.662	3.976	3.976	3.278
Mile Creek Apartments	60	75	0.005	-	-	-	0.005	-	0.005	0.014		0.014		0.010	10	65	0.004	-	0.004	0.004	0.010
Natural Park Apartments, LLC	60	75	0.005	-	-	-	0.005	-	0.005	0.043		0.043		0.039	10	65	0.004	-	0.004	0.004	0.039
New Britain Water Department	87,000	75	6.525	4.626	0.199	1.8%	11.350	2.086	9.264	12.640	5.000	17.640	-	6.290	10	65	5.655	0.199	10.480	8.394	7.160
Nod Hill Apartments	48	75	0.004	-	-	-	0.004	-	0.004	0.008		0.008		0.004	10	65	0.003	-	0.003	0.003	0.004
North Willington Village Condo Assoc.	66	75	0.005	-	-	-	0.005	-	0.005	0.029		0.029		0.024	10	65	0.004	-	0.004	0.004	0.025
Northford Glen Condominium Association	84	75	0.006	-	-	-	0.006	-	0.006	0.050		0.050		0.044	10	65	0.005	-	0.005	0.005	0.045
Norwegian Woods Apartments	252	75	0.019	-	-	-	0.019	-	0.019	0.043		0.043		0.024	10	65	0.016	-	0.016	0.016	0.027
Oak Grove Senior Housing Corp	72	75	0.005	-	-	-	0.005	-	0.005	0.013		0.013		0.008	10	65	0.005	-	0.005	0.005	0.008
Old Indian Trail	32	75	0.002	-	-	-	0.002	-	0.002	0.013		0.013		0.011	10	65	0.002	-	0.002	0.002	0.011
Old Newgate Ridge Water Company Inc	208	75	0.016	-	-	-	0.016	-	0.016	0.050		0.050		0.034	10	65	0.014	-	0.014	0.014	0.036
Orchard Acres Association	176	75	0.013	-	-	-	0.013	-	0.013	0.032		0.032		0.019	10	65	0.011	-	0.011	0.011	0.021
Orchard Hill Association	30	67	0.002	-	-	-	0.002	-	0.002	0.050		0.050		0.048	10	57	0.002	-	0.002	0.002	0.048
Portland Water Department	5,000	110	0.550	0.170	0.180	20.0%	0.900	-	0.900	0.300	1.100	1.400	0.447	0.500	10	100	0.500	0.135	0.805	0.805	0.595
Quonnipaug Hills - Main System	564	75	0.042	-	-	-	0.042	-	0.042	0.048		0.048		0.005	10	65	0.037	-	0.037	0.037	0.011
Quonnipaug Hills - Section I	27	75	0.002	-	-	-	0.002	-	0.002	0.010		0.010		0.008	10	65	0.002	-	0.002	0.002	0.008
Reja - Rainbow Spring Water Company	11	245	0.003	-	-	-	0.003	-	0.003	0.050		0.050		0.047	10	235	0.003	-	0.003	0.003	0.047
Renwood Apartments	190	75	0.014	-	-	-	0.014	-	0.014	0.050		0.050		0.036	10	65	0.012	-	0.012	0.012	0.038
Ridgeview Heights	96	75	0.007	-	-	-	0.007	-	0.007	0.050		0.050		0.043	10	65	0.006	-	0.006	0.006	0.044
Ridgewood Hills Association, System #1	18	75	0.001	-	-	-	0.001	-	0.001	0.019		0.019		0.018	10	65	0.001	-	0.001	0.001	0.018
Ridgewood Hills Association, System #2	18	75	0.001	-	-	-	0.001	-	0.001	0.019		0.019		0.018	10	65	0.001	-	0.001	0.001	0.018
Ridgewood Hills Association, System #3	18	75	0.001	-	-	-	0.001	-	0.001	0.019		0.019		0.018	10	65	0.001	-	0.001	0.001	0.018
Ridgewood Hills Association, System #4	18	75	0.001	-	-	-	0.001	-	0.001	0.019		0.019		0.018	10	65	0.001	-	0.001	0.001	0.018
Riverdale Properties, Inc.	96	75	0.007	-	-	-	0.007	-	0.007	0.050		0.050		0.043	10	65	0.006	-	0.006	0.006	0.044
Rockridge Condominiums	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Rye Field Manor Elderly Housing	78	75	0.006	-	-	-	0.006	-	0.006	0.016		0.016		0.010	10	65	0.005	-	0.005	0.005	0.011
Safe Harbor, Inc.	50	75	0.004	-	-	-	0.004	-	0.004	0.050		0.050		0.046	10	65	0.003	-	0.003	0.003	0.047
Salmon Brook District Water Dept	934	75	0.070	0.063	0.029	18.0%	0.162		0.162	0.269	-	0.269	-	0.107	10	65	0.061	0.024	0.148	0.148	0.121
Saybrook At Haddam	155	75	0.012	-	-	-	0.012	-	0.012	0.019		0.019		0.008	10	65	0.010	-	0.010	0.010	0.009
SCCRWA	452,938	52	23.553	12.496	4.005	10.0%	40.054	0.116	39.939	69.100		69.100		29.046	2	50	22.647	4.005	39.149	39.033	29.951
School Hill Association, Inc.	77	87	0.007	-	-	-	0.007	-	0.007	0.013		0.013		0.006	10	77	0.006	-	0.006	0.006	0.007
Shaker Heights Water Company	172	83	0.014	-	-	-	0.014	-	0.014	0.050		0.050		0.036	10	73	0.013	-	0.013	0.013	0.037
Sharon Heights Water Association	51	75	0.004	-	-	-	0.004	-	0.004	0.032		0.032		0.029	10	65	0.003	-	0.003	0.003	0.029
Southington Water Department	52,220	63	3.314	1.824	0.450	8.1%	5.588	-	5.588	7.000	-	7.000	-	1.412	10	53	2.792	0.450	5.066	5.066	1.934
Southridge Park Apartments	50	75	0.004	-	-	-	0.004	-	0.004	0.050		0.050		0.046	10	65	0.003	-	0.003	0.003	0.047
Stafford Hollow Water Association	429	75	0.032	-	-	-	0.032	-	0.032	0.050		0.050		0.018	10	65	0.028	-	0.028	0.028	0.022
Stone Pond Condominiums	141	75	0.011	-	-	-	0.011	-	0.011	0.050		0.050		0.039	10	65	0.009	-	0.009	0.009	0.041
Sunset Apartments LLC	46	75	0.003	-	-	-	0.003	-	0.003	0.050		0.050		0.047	10	65	0.003	-	0.003	0.003	0.047
Sylvan Ridge Condominiums	84	75	0.006	-	-	-	0.006	-	0.006	0.039		0.039		0.033	10	65	0.005	-	0.005	0.005	0.033

Appended Table 4: 50-Year (2060) Projected ADD and Existing Available Water for Community Water Systems (mgd)

Community Water System	2060 Residential Service Area Population	Residential Per-Capita Demand (gpcd)	2060 Residential Demand	2060 Non-Residential Demand	2060 Unaccounted-for Water	Percent Unaccounted-for Water	2060 Total ADD	2060 Water Sold to Other Utilities	2060 System ADD	Existing Available Water (ADD) from Sources	Existing Available Water (ADD) from Interconnections	Existing Total Available Water (ADD) for System	Water Purchased from Other Utilities	Available Water Surplus or Deficit for Total ADD	Residential Per-Capita Demand Reduction (gpcd)	New Residential Per-Capita Demand with Water Conservation (gpcd)	2060 Residential Demand with Water Conservation	2060 Unaccounted-for Water with Water Conservation	2060 Total ADD with Water Conservation	2060 System ADD with Water Conservation	Available Water Surplus or Deficit for Total ADD with Water Conservation
Tariffville Fire District Water Dept	1,371	60	0.082	0.016	0.009	8.0%	0.107	-	0.107	0.252	-	0.252	-	0.145	10	50	0.069	0.009	0.093	0.093	0.159
Tolland Water Department	3,217	70	0.225	0.071	0.029	9.0%	0.325	0.012	0.313	0.304	-	0.304	-	(0.021)	10	60	0.193	0.029	0.293	0.281	0.012
Tolland Water Dept - Torry Road	204	46	0.009	0.002	0.001	7.1%	0.012	-	0.012	-	0.012	0.012	0.012	-	-	46	0.009	0.001	0.012	0.012	-
Turkey Hill of East Granby, LLC	360	68	0.025	-	-	-	0.025	-	0.025	0.050		0.050		0.025	10	58	0.021	-	0.021	0.021	0.029
Twin Hills Water District	156	42	0.007	-	-	-	0.007	-	0.007	0.042		0.042		0.036	-	42	0.007	-	0.007	0.007	0.036
Twin Maples Nursing Home	100	75	0.008	-	-	-	0.008	-	0.008	0.023		0.023		0.015	10	65	0.007	-	0.007	0.007	0.016
University of Connecticut - Main Campus	12,699	33	0.415	1.318	0.091	5.0%	1.824	-	1.824	1.480	1.500	2.980	-	1.156	-	33	0.415	0.091	1.824	1.824	1.156
Valley Water Systems, Inc.	18,877	50	0.944	0.225	0.102	8.0%	1.270	-	1.270	3.570	0.200	3.770	0.000	2.500	(0)	50	0.944	0.102	1.270	1.270	2.500
Vernon Village Inc.	430	75	0.032	-	-	-	0.032	-	0.032	0.050		0.050		0.018	10	65	0.028	-	0.028	0.028	0.022
Village At Crystal Springs	172	28	0.005	-	-	-	0.005	-	0.005	0.029		0.029		0.024	-	28	0.005	-	0.005	0.005	0.024
Walden Apartments	276	75	0.021	-	-	-	0.021	-	0.021	0.050		0.050		0.029	10	65	0.018	-	0.018	0.018	0.032
Wallingford Water Division	37,139	56	2.086	2.153	0.649	13.3%	4.888	-	4.888	9.079	-	9.079	-	4.190	6	50	1.857	0.649	4.659	4.659	4.420
Wellswood Estates Foundation, Inc.	112	75	0.008	-	-	-	0.008	-	0.008	0.022		0.022		0.013	10	65	0.007	-	0.007	0.007	0.014
Westside Manor	30	75	0.002	-	-	-	0.002	-	0.002	0.010		0.010		0.007	10	65	0.002	-	0.002	0.002	0.008
Whispering Hills, LLC - Well A System	16	75	0.001	-	-	-	0.001	-	0.001	0.010		0.010		0.009	10	65	0.001	-	0.001	0.001	0.009
Whispering Hills, LLC - Well D System	48	75	0.004	-	-	-	0.004	-	0.004	0.050		0.050		0.046	10	65	0.003	-	0.003	0.003	0.047
White Oak Condominiums	192	75	0.014	-	-	-	0.014	-	0.014	0.037		0.037		0.022	10	65	0.012	-	0.012	0.012	0.024
Willington Ridge Condos - System #1	102	75	0.008	-	-	-	0.008	-	0.008	0.017		0.017		0.010	10	65	0.007	-	0.007	0.007	0.011
Willington Ridge Condos - System #2	102	75	0.008	-	-	-	0.008	-	0.008	0.015		0.015		0.007	10	65	0.007	-	0.007	0.007	0.008
Willington Senior Center & Housing	32	75	0.002	-	-	-	0.002	-	0.002	0.039		0.039		0.036	10	65	0.002	-	0.002	0.002	0.037
Windham Water Works	2,871	55	0.157	0.124	0.043	13.3%	0.324	-	0.324	4.100	-	4.100	-	3.776	5	50	0.144	0.043	0.310	0.310	3.790
Woodhaven Apartments	489	75	0.037	-	-	-	0.037	-	0.037	0.030		0.030		(0.006)	10	65	0.032	-	0.032	0.032	(0.002)
Woodland Summit Community Water Assn	216	75	0.016	-	-	-	0.016	-	0.016	0.023		0.023		0.007	10	65	0.014	-	0.014	0.014	0.009
Woodland Terrace	27	75	0.002	-	-	-	0.002	-	0.002	0.019		0.019		0.017	10	65	0.002	-	0.002	0.002	0.018
Worthington Fire District	3,713	70	0.260	0.097	0.054	13.0%	0.410	-	0.410	-	0.685	0.685	0.410	0.275	10	60	0.223	0.054	0.373	0.373	0.312
Yeshiva of Waterbury-Durham Campus (Formerly Stonegate Springs	95	75	0.007	-	-	-	0.007	-	0.007	0.050		0.050		0.043	10	65	0.006	-	0.006	0.006	0.044
TOTAL FOR CENTRAL PWSMA	**1,625,610**	**66**	**107.385**	**52.578**	**18.810**		**178.769**	**4.311**	**174.458**	**266.806**	**14.662**	**281.469**	**4.252**	**102.700**		**59**	**95.577**	**18.709**	**166.865**	**162.553**	**114.508**
CTWC - Naugatuck Reg-Collinsville Sys **(FULL SYSTEM)**	5,549	71	0.393	0.094	0.004	0.8%	0.491	-	0.491	-	1.300	1.300	0.479	0.809	10	61	0.337	0.004	0.435	0.435	0.865
Meriden Water Division **(FULL SYSTEM)**	68,870	66	4.552	1.223	1.019	15.0%	6.794	0.002	6.792	9.210	0.500	9.710	0.220	2.916	10	56	3.863	1.019	6.105	6.103	3.605
SCCRWA **(FULL SYSTEM)**	524,975	52	27.299	15.901	4.800	10.0%	48.000	1.703	46.297	76.700	-	76.700	-	28.700	2	50	26.249	4.800	46.950	45.247	29.750
Southington Water Department **(FULL SYSTEM)**	52,693	64	3.350	1.834	0.456	8.1%	5.640	-	5.640	7.000	-	7.000	-	1.360	10	54	2.823	0.456	5.113	5.113	1.887
Wallingford Water Division **(FULL SYSTEM)**	37,267	56	2.093	2.153	0.650	13.3%	4.896	-	4.896	9.079	-	9.079	-	4.183	6	50	1.863	0.650	4.666	4.666	4.412
Windham Water Works **(FULL SYSTEM)**	26,276	52	1.356	1.000	0.361	13.3%	2.717	-	2.717	4.100	-	4.100	-	1.383	2	50	1.314	0.361	2.675	2.675	1.425

Notes: Kensington Fire District obtains all necessary water from New Britain Water Department. Available water is assumed equal to demand.

Tolland Water Department - Torry Road receives all necessary water from CWC. Available water is assumed equal to demand.

CTWC - Collinsville, Meriden Water Division, SCCRWA, Southington Water Department, Wallingford Water Division, and WWW demands above include areas outside of the Central PWSMA. Data for full system are shown at the bottom of the table.

East Hampton WPCA - Royal Oaks system expected to be consolidated with expanded municipal system in 20-year planning period.

Willington Oaks Apartments and Rockridge Condominiums expected to be consolidated into the CWC - Western System within the 5-year planning horizon.

Data summarized from Table B-6 in Appendix B and represents the most current data available from water utilities, WSPs, or DPH records

Available water is for existing sources only and generally does not include future sources planned by a utility or potential reductions in available water

Surpluses and deficits shown at a MOS of 1.0 (i.e., no additional water set aside).

Water conservation projection calculated by MMI based on system data from Table B-6.

APPENDED FIGURE

Legend

- NON-COMMUNITY WATER SYSTEM

Existing Interconnections

- ACTIVE
- EMERGENCY
- PROPOSED INTERCONNECTION
- PROPOSED SUPPLY SOURCE
- PROPOSED INTERCONNECTION
- PROPOSED SUPPLY SOURCE AREA
- COMMUNITY WATER SYSTEMS

Exclusive Service Area Holders

- OTHER COMMUNITY WATER SYSTEM EXCLUSIVE SERVICE AREAS
- EXCLUSIVE SERVICE AREA ASSIGNED TO TOWN
- EXCLUSIVE SERVICE AREA ASSIGNED TO LOCAL COMMISSION
- EXCLUSIVE SERVICE AREA ASSIGNED TO FIRE DISTRICT
- EXCLUSIVE SERVICE AREA UNASSIGNED
- STATE AGENCY EXISTING SERVICE AREA
- AQUARION WATER COMPANY
- AVON WATER COMPANY
- CONNECTICUT WATER COMPANY
- HAZARDVILLE WATER COMPANY
- MANCHESTER WATER DEPARTMENT
- MERIDEN WATER DIVISION
- METROPOLITAN DISTRICT COMMISSION
- MIDDLETOWN WATER DEPARTMENT
- NEW BRITAIN WATER DEPARTMENT
- PORTLAND WATER DEPARTMENT
- SOUTH CENTRAL CONNECTICUT REGIONAL WATER AUTHORITY
- SOUTHINGTON WATER DEPARTMENT
- VALLEY WATER SYSTEMS, INC
- WALLINGFORD WATER DIVISION
- WINDHAM WATER WORKS
- TOWN BOUNDARY
- PUBLIC WATER SUPPLY WATERSHED
- DEEP LANDS WHERE ESA BOUNDARIES MAY NOT BE ENFORCEABLE

Develop South Glastonbury Wellfield

Reactivate Portland Reservoir

Develop Strongs Avenue Wellfield

Connect to Future EastHampton WPCA System

Develop Hammonassett River Wellfields

REGIONAL MAP

CENTRAL PWSMA INTEGRATED REPORT & EXECUTIVE SUMMARY

N W E S

SOURCE: CT DPH, CT DEEP, CENTRAL WUCC

SJB	SJB	JAG
DESIGNED	DRAWN	CHECKED

SCALE: 1:96,000

PROJECT NO.: 1017-05-05

DATE: MARCH 2, 2018

SHEET: APPENDED FIGURE 1

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APPENDIX A

PUBLIC COMMENTS RECEIVED ON THE PRELIMINARY INTEGRATED REPORT

LEGAL NOTICE

Pursuant to *Conn. Gen. Stat*. § 25-33h and § 25-33h-1(g) of the Regulations of the Connecticut State Agencies, the Department of Public Health ("the DPH") hereby notifies the public that the Western, Eastern, and Central Corridor Water Utility Coordinating Committees ("WUCC") have submitted their coordinated water system plans to the Commissioner of Public Health ("Commissioner") on March 21, 2018, for approval and is available for public comment. The WUCC's coordinated water system plans consist of the individual water system plans of each public water system within the WUCC's public water supply management areas, filed with the Commissioner pursuant to *Conn. Gen. Stat.* § 25-32d, and an area-wide supplement to such plans developed pursuant to *Conn. Gen. Stat*. § 25-33h that addresses water system concerns pertaining to the public water supply management areas as a whole.

Interested persons may obtain a copy of the WUCC's coordinated water system plans on the DPH website at http://www.portal.ct.gov/DPH/Drinking-Water/WUCC/Water-Utility-Coordinating-Committee. The coordinated water system plan is also available for inspection at the DPH Drinking Water Section, 410 Capital Avenue, Hartford, CT from 8:30 AM to 4:30 PM, Monday through Friday. Questions may be directed to Richard Iozzo at (860) 509-7333 or richard.iozzo@ct.gov.

In making his decision to approve or reject the WUCC's coordinated water system plans, the Commissioner will consider written comments from interested persons that are received April 20, 2018. Written comments for the Eastern WUCC should be directed to Samuel Alexander, Southeastern Council of Governments, 5 Connecticut Avenue, Norwich, CT 06360 or may be submitted via electronic mail to salexander@seccog.org. Written comments for the Western WUCC should be directed to David Banker, The Metropolitan District Commission, 555 Main Street, Hartford, CT 06142-0800 or may be submitted via electronic mail to dbanker@themdc.com. Written comments for the Central Corridor WUCC should be directed to Brendan Avery, Hazardville Water Company, 281 Hazard Avenue, Enfield, CT 06082 email or may be submitted via electronic mail to bavery@hazardvillewater.com.

Published in the Hartford Courant and the New Haven Register on March 21, 2018.
Published in La Voz and the Northeast News on March 22, 2018.

LEGAL NOTICE Pursuant to Conn. Gen. Stat. Â§ 25-33h and Â§ 25-33h-1(g) of the Regulations of the Connecticut State Agencies the Department of Public Health (â€œthe DPHâ€) hereby notifies the public that the Western Eastern and Central Corridor Water Utility Coordinating Committees (â€œWUCCâ€) have submitted their coordinated water system plans to the Commissioner of Public Health (â€œCommissionerâ€) on March 21 2018 for approval and is available for public comment. The WUCCâ€™s coordinated water system plans consist of the individual water system plans of each public water system within the WUCCâ€™s public water supply management areas filed with the Commissioner pursuant to Conn. Gen. Stat. Â§ 25-32d and an area-wide supplement to such plans developed pursuant to Conn. Gen. Stat. Â§ 25-33h that addresses water system concerns pertaining to the public water supply management areas as a whole. Interested persons may obtain a copy of the WUCCâ€™s coordinated water system plans on the DPH website at http://www.portal.ct.gov/DPH/Drinking-Water/WUCC/Water-Utility-Coordinating-Committee. The coordinated water system plan is also available for inspection at the DPH Drinking Water Section 410 Capital Avenue Hartford CT from 8:30 AM to 4:30 PM Monday through Friday. Questions may be directed to Richard Iozzo at (860) 509-7333 or richard.iozzo@ct.gov. In making his decision to approve or reject the WUCCâ€™s coordinated water system plans the Commissioner will consider written comments from interested persons that are received April 20 2018. Written comments for the Eastern WUCC should be directed to Samuel Alexander Southeastern Council of Governments 5 Connecticut Avenue Norwich CT 06360 or may be submitted via electronic mail to salexander@seccog.org. Written comments for the Western WUCC should be directed to David Banker The Metropolitan District Commission 555 Main Street Hartford CT 06142-0800 or may be submitted via electronic mail to dbanker@themdc.com. Written comments for the Central Corridor WUCC should be directed to Brendan Avery Hazardville Water Company 281 Hazard Avenue Enfield CT 06082 email or may be submitted via electronic mail to bavery@hazardvillewater.com.

Appeared in: ***Hartford Courant*** on Wednesday, 03/21/2018

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Log of Comments – Western, Central, and Eastern Integrated Reports

Date	*Commenter*	*Submitted To:*	*Main Points*	*Response/Edits*
3/13/2018	Town of Marlborough	Central WUCC	▪ Updated water demand projections for Central Integrated Report	▪ Updated Tables B-3, B-4, B-5, and B-6, Table 3-5, Table 3-6, and Table ES-5
3/13/2018	CWC and Town of Tolland	MMI	▪ Updated available water calculation for CWC – Riversedge system in Willington and Tolland Water Department for Central Integrated Report	▪ Updated Tables B-3, B-4, B-5, and B-6; Appended Tables 1, 2, 3, and 4; and Table ES-5
3/14/2018	SCCOG	Eastern WUCC	▪ Suggestions for mitigating planning disconnect between utilities and municipalities ▪ Concurrence with several suggested recommendations ▪ Recommend that utilities work with municipalities and not COGs to address best management practices for green infrastructure and stormwater management design	▪ Updated text box in Section 10.2 to suggest that COGs advise WUCCs regarding POCD updates and for COGs to consider providing comments regarding water planning when performing review of such updates ▪ Updated text box in Section 2.1.4 to address potential source impacts; updated Table 12-1 to make only utilities the Lead for green infrastructure recommendation ▪ Added additional language to text box in Section 10.3 regarding the need for funding
3/16/2018	DPH	Western, Central, Eastern WUCCs	▪ Announcement of Sanitary Survey website, capacity assessment questionnaire, and water demand / flow rate request	▪ Updated discussion in Section 4.2 and added text box regarding webpage and new forms
3/22/2018 4/1/2018 4/3/2018	Woodlake Tax District	MMI	▪ Question regarding source of ADD for Woodlake Tax District ▪ Question regarding source of available water calculation for Woodlake Tax District ▪ Updated available water calculation for Western Integrated Report	▪ Provided source of ADD via e-mail ▪ Provided source of available water via e-mail ▪ Updated available water calculation in Integrated Report Tables 3-1, B-3, B-4, B-5, B-6 and Appended Tables 1, 2, 3, 4; updated available water calculation for AWC ESA Holder in Table ES-5 in Executive Summary
3/26/2018	Mr. Mark Widomski	Western WUCC	▪ Concern regarding post-development impacts following sale of water company land ▪ Need to protect more watershed land ▪ Need to encourage water conservation ▪ Suggested pathway forward to improve irrigation flow controls on the utility side	▪ The WUCCs have developed a variety of recommendations related to improving source protection, particularly the use of the DWQMP process. ▪ The need for water conservation, as well as development of methods for water use restrictions, is discussed in detail in Section 2.1.5 and Section 2.2., with several related recommendations. ▪ Determining an appropriate method for allowing utilities to enforce water use restrictions is a recommendation of the plan.

Log of Comments – Western, Central, and Eastern Integrated Reports

Date	*Commenter*	*Submitted To:*	*Main Points*	*Response/Edits*
4/18/2018	DEEP	Western, Central, Eastern WUCC	▪ Concurrence with recommendations regarding refinement of projected demands, adjustments to the methodology for calculation of available water, the use of interconnections, meeting with regulatory agencies early in the source development process, and continued coordination and work with state agencies on drought management and water conservation to improve water efficiency ▪ Identified 16 clarifications to improve the quality of the report	▪ Updated Sections 2.2, 2.3, 2.4.1, 3.6, 5.2.2, 7.4, 8.0, 11.1, 11.2, and 12.0 per requested clarifications
4/19/2018	Town of Marlborough	Central WUCC	▪ Requested that CAT score map be made an exhibit ▪ Requested that Table D-1 be sorted by Town and then system, rather than by system ▪ Recommended interconnection strategies in Marlborough ▪ Encouraged consolidation of NTNC and TNC systems and more oversight by ESA holders ▪ Requested inclusion of Town NTNC system projections	▪ A statewide CAT score map was included as Appended Figure 1 of the *Final Water Supply Assessment* dated December 2016. DPH indicates that an updated map will not be ready for publication within the CWSP but will be presented at a subsequent WUCC meeting. ▪ Sorted Table D-1 as requested. ▪ Added potential interconnection to bulleted list on page 4-9. ▪ Several recommendations are aimed at identifying systems with capacity needs and securing funding for consolidation of systems. The WUCC reviews proposed water systems and can provide recommendations regarding interconnection and consolidation as part of its review process. ESA holders are largely opposed to a requirement to own and operate NTNC systems; this issue will need additional discussion at future WUCC meetings. ▪ Town NTNC system projections included as noted above.

Log of Comments – Western, Central, and Eastern Integrated Reports

Date	*Commenter*	*Submitted To:*	*Main Points*	*Response/Edits*
4/20/2018	Ms. Judy Allen	Central WUCC	▪ Requested expansion of the climate change discussion to include more discussion of potential impacts of climate change on utilities and the environment ▪ Suggested that the worst drought on record is 2016, and to not rely on the characteristics of previous droughts to predict future droughts ▪ Noted that MDC's Clean Water Project would improve the quality of the Connecticut River and should be considered when evaluating potential impacts of wellfield development	▪ Added additional discussion to Section 2.4.1 regarding current and potential future effects of climate change on public water supply. ▪ The WUCC defers to USGS regarding the severity of the 2015-2016 drought in different parts of Connecticut as opposed historic droughts. Several recommendations (review of safe yield regulations, drought management topics) seek to address the issues brought to the forefront by the recent drought. ▪ Updated text in Section 8.1 to define the Water Quality Classifications and briefly discuss the MDC Clean Water Project.
4/20/2018	DPH	Western, Central, Eastern WUCC	▪ Concurred that water utilities should reevaluate and update future available water and demand projections which may be out of date ▪ Encouraged the WUCCs to foster and support aggressive interagency planning between utilities, COGs, and municipalities regarding future water planning strategies ▪ Encouraged the WUCCs to explore water efficiency and conservation and how they can help develop efficiency projects, initiatives, and conservation ▪ Encouraged the WUCCs to continue to develop strategies to involve and educate small community and NTNC systems ▪ Encouraged utilities to fund resiliency projects and to explore joint development of new sources ▪ Encouraged the DWQMP process to improve source water protection in watersheds ▪ Encouraged the WUCCs to coordinate with the DWSRF to facilitate regional infrastructure and small system projects	▪ Information regarding the DPH "three storms" strategy has been added to the text in Section 2.4.2

Log of Comments – Western, Central, and Eastern Integrated Reports

Date	*Commenter*	*Submitted To:*	*Main Points*	*Response/Edits*
4/26/2018*	Pomperaug River Watershed Coalition	Western WUCC	▪ Noted that the recommendations do not address presently stressed basins as identified in the proposed *State Water Plan* ▪ Suggested that the WUCC develop a process on how to address stressed basins when considering future capital projects and development of new public water systems, specifically the use of future sub-regional basin analyses	▪ Added text to Section 2.2 discussing the benefits of water conservation measures which could help alleviate stressed basins, with linkage to the related recommendation. ▪ Added text to Section 12.2 for WUCC to consider potential impacts to stressed basins when it is considering regional projects

*The Western WUCC agreed to accept comments from Pomperaug River Watershed Coalition following the close of the public comment period on April 20, 2018.

Scott Bighinatti

From: Sam Alexander <salexander@seccog.org>
Sent: Wednesday, March 14, 2018 11:42 AM
To: Scott Bighinatti
Subject: Integrated Report Recommendations

Follow Up Flag: Follow up
Flag Status: Completed

Scott:

I'm confident you've already left the office.
I'll give you a paper version of this when you arrive.

SCCOG's comments on Integrated Report strategies pertaining to the COGs:

Strategy	Comments	Priority to COG Staff
• Encourage local planners to identify in POCDs areas where public water service is desired • Coordinate with local planners during POCD updates to identify areas of development density that may be incompatible with reservoir watersheds and APAs, and to coordinate with other watershed towns regarding source protection planning • Encourage local planners to include discussions in POCDs on the importance of water conservation	For the past 22 months, the WUCC has consistently identified the disconnect between water planning and local planning as an issue. The COGs generally are aware when POCDs are due to be update and could notify the WUCC ahead of time. The WUCC should send a letter to Planning Commissions, stating the contacts for local utilities and ESA holders and suggesting coordination (or how coordination could take place). The COG also reviews POCDs when they area in near-final format. To the extent it is consistent with the Regional POCD, comments on water planning could be incorporated.	HIGH
• Provide Geographic Information System data appropriate for regional planning to Councils of Governments, including ESA boundaries and general public water system service locations	I'm sure our current data is outdated. This would improve the likelihood that the COGs will initiate water-planning studies and activities (or incorporate into Regional POCD), independent of the WUCC. This would be especially important if the COG is to provide on-going support to the WUCC (see last strategy).	HIGH
• Promote the adoption of best management practices for the use of green infrastructure in stormwater management design	Aside from offering training courses, I do not see a logical role for the COG. Individual towns (not the COG) should implement this strategy. To the extent that stormwater impacts a water supply, it's in the interest of the utility to work with the town. Also, consider how this is impacted, or obviated, by MS4 regulations.	LOW - MEDIUM

• Provide funding assistance for Councils of Government staff to monitor and inform local land use commissions regarding source water protection, ESA boundaries, and regional water supply challenges	The recommendation should note that, absent funding, the COGs might not be able to provide assistance to the WUCC. Once MMI drops off in a couple months, the WUCC will need some sort of staff to carry out its functions. I think this recommendation is extremely important.	HIGH

-Sam

Scott Bighinatti

From: Banker, David <DBanker@themdc.com>
Sent: Monday, March 26, 2018 12:59 PM
To: DLawrence@aquarionwater.com; russellposthauer@ccaengineering.com; Dave Murphy; Scott Bighinatti
Subject: FW:

Dan, Russell & Dave,

See below for first comment received for the Western WUCC.

Dave

From: Mark & Joelle Widomski [mailto:jwidomski@snet.net]
Sent: Monday, March 26, 2018 11:55 AM
To: Banker, David
Subject:

My name is Mark Widomski and I am a Planning and Zoning Commissioner for the City of Shelton, having been elected this past November. I have been an active member of the community for almost 30 years in terms of controlled development and the protection of our natural resources.

It is great to see that there is an interest in the water supply after the debacle of last year and the numerous water restrictions that were enacted by various water authorities and municipalities.

Water is a natural resource that we all take advantage of and have little thought about. Why is that? The answer is simple. We look around our environment and we see plenty of water in creeks, brooks, streams, rivers and many other places. A drive around Connecticut and one will find way too many bodies of water to count. The result is people see this natural resource as plentiful.

The reality is quite the opposite. Many of our wetland and watercourses have been filled in or rerouted in the name of progress, further reducing the supply of water. Most of these waters are polluted and require heavy treatments to make them drinkable. They are polluted for several reasons that go from acid rain from the west to heavy industrial use to over development.

I am going to focus on the over development aspect. Historically, water companies and municipal owned water authorities were vast property owners in the form of watersheds. These watersheds allowed the rain water and natural ground waters to be cleaned naturally and directed the runoff to a reservoir. The water was then further cleaned in the treatment plant and then distributed to the customers.

With the advent and reliance on treatment plants, the water authorities sold off vast sums of the watershed to private land owners. These land owners then developed these properties into developments, cutting trees and regarding the topography, thus changing forever the proverbial lay of the land. The result was a new topography that redirected the water in new and different directions thus resulting in a decline of available water to flow in to the reservoirs. Instead the water is redirected to catch basins that may have miles of piping taking the water away from the area to a new area that may have no relationship to the reservoirs. Retention ponds are also added where the bulk

of the water is most likely evaporated before entering the natural ground water system. These retention ponds are usually built in a location that will provide the most benefit to the developer and not to the benefit of the water authorities and the natural ground water system.

So how do we protect the natural resource that our lives depend on? The answer is not very complicated, but it is also not very simple. The first step is we need to protect our watersheds and add to them. We need to protect our wetlands and stop filling them in for the almighty dollar. We need to have stricter regulations regarding buffer zones for these wetlands and we need to enforce them.

The second step is to stop the paving over of vast amounts of land. We need to stop changing the topography of our lands forever. No amount of engineering will ever change the way mother nature works. Simply look at the Mississippi and the amount of controls placed on it and it is still not tamed!!

Third step is conservation. Last year the bulk of the water problems were in southwest Fairfield County. A drive through the area on a typical summer day and on will find just about every house with a sprinkler system to water the grass, the shrubs and other ground coverings. One will also find the commercial buildings are also doing the same thing. The crazy part of this is even on rainy days, the sprinklers are going!! Last year, Aquarion water spent hundreds of thousands of dollars to build a temporary pipeline to move water from up county to down county so these people can continue to water their lawns. No restrictions were put into place until it was too late, and even then, they were voluntary. This practice needs to be halted.

So how to enforce water conservation? The answer is quite simple. Every customer of a water authority, private or municipal, is required to have a meter for water coming into the house. The solution is to require ALL customers of a water authority that have an irrigation system installed, shall have that system on a separate meter that can be turned on or off by the regulating water authority when a specific level of drought is declared by the state. This will include current and new construction and there is no grandfathering. Set a timeline of one year to be retrofitted and if not in compliance, then the owner faces a complete shut off, no return of service until such time a second meter is installed and a large fine.

The solutions are as I said are not very complicated. The difficulty will be the politicians and if they have the resolve to do what is correct for everyone vested in water, or if they will succumb to the political pressure by the big donors.

I applaud the effort and the input you are looking for, but the bottom line is getting the politician that is beholden to special interest to buy into a plan that may hurt those very groups. I wish the group the best of luck in moving forward and hopefully making a meaningful resolution to a problem that will have a negative impact on all of us if not resolved soon.

If you should have any questions or concerns please feel free to contact me via return email.

My comments and opinions in no way represent the opinions of the Shelton Planning and Zoning Commission, the City of Shelton or any of its affiliates etc.

Sincerely,

Mark Widomski

Connecticut Department of
ENERGY &
ENVIRONMENTAL
PROTECTION

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April 18, 2018

Water Utility Coordinating Committee Chairpersons
c/o Brendan Avery, Recording Secretary, Central WUCC, via email;
c/o Samuel Alexander, Recording Secretary, Eastern WUCC, via email;
c/o David Banker, Recording Secretary, Western WUCC, via email

RE: Comments on WUCC Integrated Reports

Dear Water Utility Coordinating Committee Chairmen and Members;

The Connecticut Department of Energy and Environmental Protection (DEEP) has completed its review of the Integrated Report. Thank you for the opportunity to participate in the WUCC process. DEEP is supportive of the WUCC planning process and the effort the utilities have put into developing the reports.

The Integrated Report makes a number of findings and recommendations, summarized in Table 12-1, which DEEP supports. In particular, DEEP encourages:

1. Refinement of the projected demands as new Individual Water Supply Plans are completed and can be incorporated into the overall projections. This would include refinement of the impacts of the Streamflow Regulations as more realistic impact analyses are included.

2. Further discussions and adjustments to the methodology for calculation of available water to meet MMADD, which could mitigate the apparent need for water in a number of systems across the state.

3. Use of interconnections to address supply deficits and increase system resiliency. However, it is also important to acknowledge the resiliency and environmental benefits of having multiple small sources.

4. Meeting with regulatory agencies early in the source development process and complete analysis of potential environmental impacts when developing new sources.

5. Continued coordination and work with the state agencies on drought management and water conservation to improve water efficiency.

Each regional WUCC report lists water utilities which are evaluating development of additional sources of supply, including regionally significant supplies. The overall analysis and scale are appropriate for the Integrated Report, but it should be noted that environmental and fisheries concerns have been raised for several of the sources mentioned that would factor into diversion permitting for those sources when proposed for development.

DEEP noted several items in the Integrated Report where clarification may be helpful, as follows (page numbers are from the Western Report):

1. Section 2-10, page 2.2, 2nd para: First of many times "water efficiency" is used in this document, however it is not defined or explained to any degree. Examples of efficiency should be included.

2. Section 2.3, page 2-13, 1st complete paragraph, 1st sentence: could be more explicit on what the "current process" is.

3. Section 2.4.1, page 2-14, last paragraph, last sentence: a short explanation on why warmer temperatures mean lower water quality could be added here.

4. Section 2.4.1, page 2-15, in-depth discussion of available water vs. safe yield seems out of place here in the climate change section. This would be more helpful in previous section 2.3, however, retain some basic concept of relation between climate change and safe yield here in 2.4.1.

5. Section 3.6, page 3-28, text box: Assumptions based on extrapolation of available data could easily under- or over-predict the effects of the regulations, that's precisely why system-specific evaluations are necessary. This text box needs to be corrected.

6. Section 3.6, page 3-28, 5th and 6th bullet: Include brief explanation of "RGQ80" bioperiod reference, and insert "cfs" after flow rates.

7. Section 3.6, page 3-28: include mention of Waterbury being exempt due to Shepaug Reservoir flow plan.

8. Section 5.2.2 - May wish to add at end: In general, DEEP interconnection permitting considerations include 1) the overall need for, or ability to provide water for the interconnection based on individual water supply planning, 2) opportunity to increase water supply through decreased unaccounted for water and/or increased conservation in lieu of the requested transfer, 3) potential for environmental impact at the transfer source.

9. Section 7.4, page 7-4, second to last paragraph, second sentence, "…if the project is regulated by a federal agency, such as (USACE) **or (FERC)**." FERC added here as a possible trigger for 401 Water Quality Certification.

10. Section 7.4, page 7-5, second paragraph, first sentence, "…environmental groups can ~~pose~~ **petition** for restrictions on water supply development…"

11. Section 7.4, page 7-6, "The Connecticut Environmental Policy Act (CEPA) was used beginning in the late 1990s as a basis for intervention in a diversion permit application. The State Supreme Court, opening the door for the use of CEPA to oppose diversions, upheld this intervention." Reference citation for court decision should be provided in footnote. The DEEP Legal Office hasn't been consulted, however the diversion program is unaware of this specific precedence.

12. Section 8.0, page 8-1, 3rd para, "It is assumed that permits would not be issued for the development of a source where the yield is greater than 50% of the 7Q10 flow. While permit criteria varies depending on the resource, 50% of the 7Q10 is used ~~as~~ for planning purposes" (note typo). This criterion is too general. DEEP General Permit for Diversion of Water for Consumptive Use uses 5% of 99% durational flow as a cutoff for minimal environmental effect. Please at least explain the rational, behind choosing this number.

13. Section 8.0, page 8-1, last para, 1st sentence: Diversion permits are not riparian rights – the permits allow reasonable use of the water, but do not constitute a "water right". A legal interpretation is not really appropriate in a planning document of this nature. We recommend striking this paragraph.

14. Section 11.1, page 11.1, 2nd to last para: "Competing uses must also be addressed, including the potential impacts on existing diversions, active and passive recreation, aesthetics, downstream waste assimilation, **archaeological resources**, and other downstream uses."

15. Section 11.2, page 11.3, "If the wellfield is completed in stratified drift, **and serves more than 1000 people,** the numerical modeling completed in accordance with the **Aquifer Protection Area** Level A **Mapping** regulations is used to predict the response of the aquifer and watercourses under different pumping scenarios."

16. Section 12.0, page 12-1, "These volumes of water are unlikely to be developed in the **(?)** or nearby the region." Missing something here.

If you have any questions on the above comments, please do not hesitate to contact me at (860) 424-3724 or corinne.fitting@ct.gov.

Sincerely,

Corinne Fitting
Supervising Environmental Analyst
Division of Water Planning & Management
Bureau of Water Protection & Land Reuse

Cc: Lori Mathieu, Chief, DPH Drinking Water Section

Scott Bighinatti

From: Jeanine Gouin
Sent: Friday, April 20, 2018 4:00 PM
To: Scott Bighinatti; Dave Murphy
Subject: FW: WUCC

Follow Up Flag: Follow up
Flag Status: Flagged

FYI, below. This is an internal comment, not a public comment.

Jeanine Armstrong Gouin, P.E.
Vice President

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From: Brendan Avery <bavery@hazardvillewater.com>
Sent: Friday, April 20, 2018 3:36 PM
To: Jeanine Gouin <jgouin@mminc.com>; dradka@ctwater.com; Bart Halloran <BHalloran@mdctlaw.com>
Subject: FW: WUCC

From: Peter Hughes [mailto:planner@marlboroughct.net]
Sent: Thursday, April 19, 2018 3:31 PM
To: bavery@hazardvillewater.com
Subject: WUCC

Hi Brendan,

Marlborough's comments:

The CAT score map should be made an exhibit.

Table D-1 consider sorting by Town versus user

Recommend interconnection between Hillside with AWC or Town to be a consideration

Interconnections action strategies should be in the report not just pointing out possibilities.

The interconnection of NTCS needs to be examined versus the continual construction of side by side by side, and across the street stand-alone NTCS continually developing. If viability of the small community is a concern then the care and management of the NTCS is just as much if not more of a concern for water quality and consumption. The NTCS is the hole in water conservation efforts, all the larger providers have been doing this for a long time while the 4,500 NTCS goes on without guidance and oversight of conservation efforts. The report needs to strongly urge ,recommend or

whatever term is appropriate that DPH turn to educating and oversight of the development and management of NTSC, not just small community systems.

Did not see the Town water projections shown.

Regards,

Peter F Hughes
Planning & Development Director
Town of Marlborough

Comments Regarding the Central WUCC Integrated Report
April, 2018

I have been concerned throughout the process that environmental issues were not being addressed. Now that they have been included in the Integrated Report, I remain concerned.

My concerns fall into two categories; the lack of adequate and up to date environmental and climate change information, and failing to acknowledge their importance.

While the report identifies higher temperatures, increased precipitation and droughts as problems, these are referenced without the full discussion they deserve. As an example I offer the following expected effects of climate change obtained from both the Land Trust Alliance's *Conservation in a Changing Climate*, and the USDA U.S. Forest Service Climate Change Resource Center.

- Surface water supply will be increasingly threatened by invasive species through species migration as temperatures rise.
- Open water, which is directly exposed to sunlight, is most dramatically affected. The 2014 National Climate Assessment reports that increasing air and water temperatures result in more intense precipitation and runoff. Intensified droughts can decrease river and lake water quality in many ways, including increases in sediment, nitrogen, and other pollutant loads.
- As temperatures rise, the oxygen concentration of water declines.
- Algal blooms may begin earlier in the season, and last longer into the fall.
- As air and water temperatures increase, evaporation also increases, which may alter ecosystems, making native species more susceptible to die-off from competition with invasive species and in some cases more at risk of disease.
- Climate change can change the timing and quantity of stream flows, the salinity of surface and ground water, and the character of riparian and upland vegetation.
- Anthropogenic factors such as water withdrawals, dam construction, species introductions, and habitat degradation are expected to exacerbate climate change impacts on warm water fauna.
- During droughts, groundwater recharge will decline as temperature increases and rainfall decreases.
- Increasing groundwater extraction will further deplete aquifers, placing additional strain on surface water resources
- Because aquatic habitats integrate upstream and upslope activities, and because we lack even basic knowledge about so many aquatic taxa, habitat protection and restoration efforts may be most effectively applied to whole ecosystems at watershed or even regional scales Solid understanding of a region's physical and biological processes will facilitate prioritizing habitat protection and restoration actions for maximum effectiveness.

- Managing ecosystems for maximum resiliency will favor species persistence in the face of climate change. Possible ways to address this:
  - Maintain natural hydrograph. Generally, more water is a system mean less susceptibility to extreme temperatures and desiccation by drought.
  - Maintain groundwater levels. Drainages with more groundwater inputs appear to be somewhat more resilient to climate change impacts.
  - Ensuring adequate flows will help ameliorate water quality issues
  - Rising temperatures dictate continued adherence to water quality standards and will be essential to maintaining native warm water fauna.

The report is not strong enough in recognizing that climate change is a scientific fact not a possibility. Sea level rise is not *likely* to occur, it is occurring and happening at a faster rate that was anticipated. Climate change is not an event that will happen in the future. Its effects are being experienced now and planning needs to recognize that.

The report uses the droughts of 1960's as the worst drought in history. But the worst is now the recent drought of 2016. Droughts in the future will be hotter, of longer duration, and more frequent. The characteristics of droughts in the past are not good predictors of the future.

An example of the kind of thinking in this report is the evaluation of the potential impact of developing a well field along the CT River. It concludes that since the river is already degraded and not appropriate for recreation or fishing, the impacts related to the wells would be minimal, making this an ideal place for well development. It's as if the waters are of poor quality so what we do to them won't matter. There is work being done to improve the quality of the CT River, as the MDC is quite aware. They are spending billions of dollars to do just that. Future decisions about developing a well field there needs to consider that the quality of the water in the CT River is likely to improve.

A plan is only as good as the information that goes into it. For this report to truly address environmental concerns it needs to start with accurate information and a belief that environmental information is important.

Judy Allen
jdyallen@aol.com

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

April 20, 2018

Western Water Utility Coordinating Committee
Central Corridor Water Utility Coordinating Committee
Eastern Water Utility Coordinating Committee

Dear WUCC Committee Recording Secretaries:

The Connecticut Department of Public Health Drinking Water Section would like to thank you for the opportunity to review and comment throughout the WUCC process, in particular this opportunity regarding the Integrated Reports of the three WUCCs.

Among the findings and recommendations as a result of this process, the Department supports and encourages the following:

1. The reports correctly note that water utilities should re-evaluate and update future available water demand projections that may be out of date.

2. The WUCCs should foster and support aggressive interagency planning between utilities, councils of governments, and municipalities to ensure future water planning strategies are considered through all aspects of land use development and goals.

3. The WUCCs are encouraged to explore water efficiency and conservation and determine what these concepts means to utilities, why it is important, and how they can help develop efficiency projects, initiatives and education.

4. The WUCCs are encouraged to continue to develop strategies to involve small community and non-transient non community public water systems. These strategies could be aligned with the Department's policy changes following the 'three storms'. Information produced through the Capacity Assessment Tool (C.A.T.) scorecards can be

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Connecticut Department of Public Health

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used to develop strategies with regard to failing/struggling small public water systems. The WUCCs can stress the importance of, and create a direct link to, UCONN's Connecticut Institute for Resilience and Climate Adaptation (CIRCA) study and its relation to projected need planning.

5. Encourage utilities to fund resiliency projects instead of developing new sources when planning for future demand projections.

6. The report should emphasize the importance for utilities to explore joint development of sources and or resources.

7. Encourage implementation of the Drinking Water Quality Management Planning (DWQMP) process to improve source water protection within watersheds, especially for those whose watersheds span multiple communities. Involvement at the local level and implementation of protective ordinances/initiatives (such as low impact development) will provide protection as well as water quality benefits, such as lower nutrients and lower risk of harmful algal blooms.

8. The WUCCs can coordinate with the Department's Drinking Water State Revolving Loan Fund to facilitate regional infrastructure and small system projects.

Overall, the Department believes these reports to be comprehensive and thoughtful. They will be valuable and useful for Connecticut. Should you have any questions or concerns regarding these comments, please contact us at 860-509-7333.

Sincerely,

Lori Mathieu
Public Health Section Chief
Drinking Water Section

Eric McPhee
Supervising Environmental Analyst
Drinking Water Section

Richard Iozzo
Environmental Analyst
Drinking Water Section

cc: Milone and MacBroom, Inc.

Scott Bighinatti

Subject: FW: Western PWSMA Integrated Report

From: Len DeJong <LDeJong@pomperaug.org>
Sent: Thursday, April 26, 2018 12:33 PM
To: russellposthauer@ccaengineering.com; 'Daniel Lawrence' <DLawrence@aquarionwater.com>; 'Banker, David' <DBanker@themdc.com>
Cc: Dave Murphy <DMurphy@mminc.com>
Subject: Western PWSMA Integrated Report

Western WUCC Chairpersons,

Introduction

Thank you for the opportunity to submit comment on the Western PWSMA Integrated Report ("Report") on behalf of the Pomperaug River Watershed Coalition ("PRWC"). As you know, PRWC had submitted earlier remarks on October 13, 2016 following our review of the Preliminary Water Supply Assessment. We appreciate this opportunity and understand that our comment is being submitted to you after the close of the public comment period due to other PRWC obligations. As such, our comment is not intended to revise the Report but rather to specifically address a gap in how the WUCC will consider the existing unbalance between out-of-stream and in-stream uses in its future decision making.

PRWC Background

The Pomperaug Watershed is approximately 90 square miles with watershed lands in the following communities: Bethlehem, Middlebury, Morris, Roxbury Southbury, Washington, Watertown and Woodbury. In addition, PRWC considers the Town of Oxford as a coalition partner as the recipient of Pomperaug Aquifer water supply from the Heritage Village/CT Water Company.

PRWC was founded in 1999 as a non-profit organization for the purpose of protecting the Pomperaug Watershed water resources (surface and groundwater) through the use of science and research. Scientific data goes as far back as the late 1800's when USGS identified the geology of Pomperaug Watershed as a means to further its research and apply that data in other areas of the U.S. We consider educational outreach to be a hallmark of what we do.

Report Comment

Section 12.0 of the Report ("Recommendations and Prioritization") is void of any findings related to stressed basins as identified in the proposed State Water Plan. As such, Report priorities are not aligned with correcting locations known to foster that unbalance. In the earlier Section 8.0 ("Potential Impact on Other Uses of Water Resources") discussions on groundwater and interconnects is very limited to those identified by Aquarion Water Company ("AWC"), most notably the future activation of the Housatonic Wellfield.

The Report does not discuss identified stressed basins but more importantly appears not to set a go-forth process on how to examine the unbalance when the WUCC is called upon to make a decision that may affect that balance. The Report does contain a description of regulatory processes, regional and local planning that will have a positive impact. It is also encouraging to read about how enhancements such as water conservation will have a positive influence.

To address the concern stated above, PRWC recommends that the WUCC re-visit (using developing State Water Plan data) where unbalance exists between out-of-stream and in-stream needs and then develop a process that becomes "built-in" to the WUCC review process. That would included future examination of water use impacts on sub-regional basins yet not identified in the State water planning process. The idea of knowing where the unbalance exists, or where it may exist based on a future decision by the WUCC, is critical to long term effective planning. As an example, when the WUCC elects to re-assign an ESA the question needs to be asked if that re-assignment benefits correcting a know water balance deficiency or protects from a new one being created.

Closing

I appreciate the opportunity to submit these remarks and for your consideration of them. PRWC also appreciates the amount of effort that went into the planning and development of the Report. I believe that I can speak for the CT environmental community that we are available to assist you and would welcome that opportunity.

Len DeJong

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APPENDIX B

SUMMARY OF PROCESS USED TO PROJECT PUBLIC WATER DEMANDS

B. SUMMARY OF PROCESS USED TO PROJECT PUBLIC WATER DEMANDS

As required by RCSA Section 25-33h-1(d)(C)(i), the Integrated Report is required to project public water demands for the Central PWSMA as a whole, for each municipality within the area, and for each ESA. The amount of safe yield (or, as used herein, available water) also must be reported for the Central PWSMA and for each ESA. Given the number of public water systems in the Central PWSMA and the wide range of information available for each system, a variety of methods were utilized to determine existing and projected demands.

CWS demands were originally developed in 2016 for the *Final Water Supply Assessment.* In September 2017, all public water systems were invited to provide usage data for ADD, MMADD, and PDD for calendar year 2016, with estimated ADD in terms of residential, nonresidential, and unaccounted-for water use, and available water. The information provided by public water systems was supplemented with other estimates where necessary as discussed below. Tables B-3 through B-6 at the end of this Appendix present the raw tables used to develop the summaries of existing public water demands and projected public water demands in the Central PWSMA. Summaries of these data are presented in Section 3.0 of this report.

B.1 Community Water Systems

B.1.1 Existing Water Demands (2015-2016 Data)

The *Final Water Supply Assessment* (December 2016) included actual or estimated water demands for each community public water system within the region for the calendar year 2015. All CWSs were invited to provide usage data for ADD for that calendar year in fall of 2016. When actual data were not available, the most recent data available were taken from WSPs, PURA annual reports, water diversion permits and related applications, and sanitary surveys prepared by DPH. Data sources for various systems included the following:

- AWC: Provided 2016 data and projection data for all systems, supplemented with 2016 PURA annual report and information in 2006 WSP;
- Avon Water Company: Used 2016 PURA annual report for current data, projection data from 2012 WSP;
- Berlin Water Control Commission: Provided 2016 data for system and Worthington Fire District, projection data from 2012 WSP, supplemented with information from 2011-2012 PURA annual report;
- Connecticut Correctional Institute: Current (2015) and projection data from 2016 WSP;
- Connecticut Valley Hospital: Current (2007) and projection data from 2009 WSP;
- Cromwell Fire District: Provided 2016 data and projection data for system, supplemented with information from 2005 WSP and 2011-2012 PURA annual report;
- CWC: Provided 2016 data and projection data for large systems, 2016 PURA annual report response used for other systems, supplemented with information in 2008 WSP;
- East Hampton WPCA: Current (2010) and projection data for systems from 2010 WSP;
- Hazardville Water Company: Provided 2016 data and projection data for system, supplemented with information from 2012 WSP and from 2016 PURA annual report;

- Kensington Fire District: Current data provided by sales from New Britain Water Department, projection data from 2009 WSP;
- Manchester Water Department: Used 2012-2013 PURA annual report for current data, projection data from 2007 WSP;
- Meriden Water Division: Used 2011-2012 PURA annual report for current data, projection data from 2007 WSP;
- MDC: Provided 2016 data, projection data from 2008 WSP, supplemented with information from 2012 PURA annual report;
- Middletown Water Department: Current (2009) data and projection data from 2010 WSP;
- New Britain Water Department: Provided 2015 data and projection data for system, supplemented with information from 2007 WSP;
- Portland Water Department: Provided 2016 data and projected data for system, supplemented with information from 2007 WSP;
- Salmon Brook District Water Department: Current (2005) and projection data from 2006 WSP;
- SCCRWA: Provided 2016 data and projection data for system, supplemented with information in 2009 WSP and 2011-2012 PURA annual report;
- Southington Water Department: Used 2011-2012 PURA annual report for current data, projection data from 2001 WSP;
- Tariffville Fire District: Used 2013-2014 PURA annual report for current data, projection data from 2008 WSP;
- Tolland Water Department: Provided 2016 data for systems, projection data from 2010 WSP, supplemented with information from 2015-2016 PURA annual report;
- University of Connecticut: Provided 2016 data and projected data for system, supplemented with information from 2011 WSP;
- Valley Water Systems, Inc.: Current (2016) and projection data from 2017 WSP, supplemented with information from 2016 PURA annual report;
- Wallingford Water Department: Provided 2016 data and projection data for all systems, supplemented with information in 2017 WSP;
- WWW: Provided 2016 data and projection data, supplemented with 2014 PURA annual report and information in 2012 WSP; and
- Worthington Fire District: Current data provided by sales from Berlin Water Control Commission, projection data from 2009 WSP, supplemented with information from 2011-2012 PURA annual report.

For many small CWSs, water demand information was not available. In such cases, water demands were estimated in the *Final Water Supply Assessment* based on the CPCN design standard of 75 gallons per person per day. The same estimation method was used for new systems developed between 2016 and September 2017 that did not respond to the data collection request. The date of the DPH public water system inventory utilized to develop the projections in this *Integrated Report* is September 2017.

For large CWSs (those serving 1,000 people or more), a breakdown of water usage between residential and nonresidential consumption is typically provided in the WSP. For systems that did not respond to the 2017 data collection request, WSPs, PURA annual reports, and in some cases estimates based on aerial photography (e.g., numbers of houses, or sizes of nonresidential structures) were used to estimate the types of potential water demands within an area.

For smaller CWSs, the majority of these systems are entirely residential such that nonresidential demands were estimated to be zero. Where such systems were known to include nonresidential uses (either due to a data collection response, inclusion in a WSP, or from review of aerial photography and land use), a nonresidential demand estimate or actual number was provided.

Unaccounted-for water was reported if available in WSPs and PURA annual reports, or was otherwise left as zero due to the lack of information available. It is recognized that for some systems (e.g., apartment buildings with internal piping) an unaccounted-for water of zero is appropriate (because leaks within the building would become obvious); for other systems with underground water mains between service connections some increment of water is likely lost.

Many of the larger CWSs and some of the smaller CWSs have interconnections with other public water systems. For those interconnections that can be actively used, any sales of water between the systems were tracked. In this way, the total ADD of the system (which includes the sale of water) can be modified into a system-specific ADD (the water usage within the specific public water system). Similarly, available water for each system was calculated based on the amount of water available from sources and interconnections as modified for commitments made between systems.

Most of the larger CWSs as well as some of the smaller CWSs lie in one or more towns. In order to properly calculate the amount of public water supply demand in each town in the Central PWSMA, demands on such systems were estimated within each town. For residential demands, in most cases residential service area population was available from WSPs or PURA annual reports, and in other cases, an estimated service area population could be developed by reviewing the system boundary versus aerial photography. The estimated residential service population and the utility's per-capita residential demand value were used to estimate residential demand in each town. Nonresidential demands were typically based on data available in WSPs, estimated from aerial photography and the septic design flow[21] of 0.1 gallons per square foot, or back-calculated based on other known quantities (residential demand, unaccounted-for water, and ADD). When not specifically estimated, nonresidential demands were estimated by apportioning by percentage of population.

An estimate of water movement was developed between each town in a system to ensure proper calculation of excess available water. In some cases, a system may have a commitment to sell water to another utility in a municipality where it does not have any sources. This is shown by the system having a negative available water from its sources, and the system in that town may also show a deficit for meeting ADD. While the tables in this appendix depict such data by town based on regulatory necessity, such data is more appropriately viewed at the system level. Therefore, judgement is required by the reader when reviewing the data in the appended tables, and the reader is reminded that Section 3.0 of the *Integrated Report* summarizes the pertinent data on demands and projections for each system.

B.2.2 Projected Water Demands

MMI did not develop new projections for any water system. Water demand projections were available for all of the large CWSs and some of the smaller CWSs, either provided through a data collection response or available in a WSP. As noted in the *Final Water Supply Assessment*, not all WSPs use 2015

[21] CT DPH Technical Standards for Subsurface Sewage Disposal Systems as revised through January 1, 2015: http://www.ct.gov/dph/lib/dph/environmental_health/environmental_engineering/pdf/011916_final_technical_standards.pdf.

or 2016 as the base year for projections. In such cases, the projections were advanced to the current planning horizons, except where existing data is greater than the projection. For example, if the current demand exceeded the projected demand for a system for the 5-year planning period, the current demand level would be maintained for that planning horizon. Given the age of some WSPs, this occurred frequently for the 5-year planning horizon and more rarely for the 20-year planning horizon.

Projections are provided for residential service population, residential demands, nonresidential demands (including sales of water to other utilities), and unaccounted-for water. When WSP reported a goal or specific figure for future unaccounted-for water, that figure was used for the projection. For most large systems, nonresidential demand projections were back-calculated from projected residential demands, unaccounted-for water, and ADD. For most small CWSs, projected demands were held consistent with existing ADD as these systems largely serve one development or parcel and are not expected to expand unless an expanded ESA was awarded. However, specific projections were included for small community systems when provided by that system in a data collection response or WSP.

Sales projections were based on the system needing the water. If water was being used to supplement an existing supply, the sales to that system were held constant across the planning horizons. For consecutive systems receiving all of their water from another utility, the projected demand of the receiving utility was used to calculate projected sales for the source utility. Thus, in some cases, projected sales for resale for the source utility may differ from projected sales values reported in WSPs. The benefit of using this method is that when an interconnected utility is projected to have higher demands than its presently available water, the available water deficit is assigned to the utility with the need and not the utility selling the water.

As the purpose of the available water analysis is to determine where new sources will be needed, available water for community systems was generally held constant through the planning horizons. The surpluses and deficits of available water are discussed at the end of Section 3.0 and drive additional analyses in this report. Available water is held constant regardless of expiration of water diversion permits, sale of excess water permits, or contracts – in all cases, renewal is assumed through the 50-year planning horizon. In rare cases, available water may be planned to be reduced through abandonment of sources or consolidation of systems, so the available water may change slightly between planning horizons when this information is known. In general, available water is not increased due to planned new or reactivated sources of supply across the planning horizons in order to drive the analysis of available water need.

Zoning in the majority of communities in the Central PWSMA is such that the development of new CWSs is possible. In particular, the desire of many communities for cluster-style developments where homes (and corresponding impervious surfaces) are consolidated sometimes makes it difficult to achieve setbacks for private wells and septic systems. For the purposes of this regional analysis, the development of new CWS ADD was tied to each town's population increase and residential service ratio.

- For towns where population was projected to be lost, it was assumed that no new community systems would be necessary outside of any projections for existing systems.

- For towns where population will be increasing, the existing residential service ratio was used to determine if there would be leftover additional community public water system population after accounting for existing projections from other (usually large) community systems. Any population

left over was assigned a demand of 75 gallons per person per day. This additional demand would, in theory, be taken up by an existing CWS or a new CWS developed in the community. For example, the estimated increase in population in Avon is 1,107 (Table 3-4) through the 5-year planning horizon. The residential service ratio in 2023 is 75.6% (Table 3-4). Assuming that the same residential service ratio is maintained, 824 of those new residents will need public water service. However, since the public water supply residential service population in Avon is already projected to increase by 419 people, the additional need is for the 405 new residents not already accounted for in the projections.

Table B-1 presents the results of the additional CWS demand analysis, which depicts towns where there is more population growth (and expected resulting public water supply demands) in the region than accounted for by water supply planning projections. Note that not all communities are projected to need new CWSs or have excess CWS demands outside of existing projections, and such communities are not listed in Table B-1. In general, increases of less than 25 residential service population are assumed to occur within existing systems, while increases of more than 25 could be the result of a new CWS developed under the CPCN process.

TABLE B-1
Additional Community Water System Demand Projections Not Accounted for in Other Projections

Town	ESA Holder(s)	Additional Residential CWS Service Population and ADD (2023)	Additional Residential CWS Service Population and ADD (2030)	Additional Residential CWS Service Population and ADD (2060)
Avon	Avon Water Co., CWC	119 – 8,961 gpd	96 – 7,188 gpd	1,941 – 145,595 gpd
Canton	CWC, AWC	100 – 7,469 gpd	None	None
Cromwell	Cromwell Fire Dist.	None	None	611 – 45,825 gpd
East Hampton	East Hampton WPCA, AWC, CWC	31 – 2,335 gpd	None	None
East Hartford	MDC	1,710 – 128,278 gpd	1,460 – 109,503 gpd	3,946 – 295,987 gpd
East Haven	SCCRWA	151 – 11,325 gpd	151 – 11,325 gpd	None
East Windsor	CWC	319 – 23,934 gpd	None	None
Ellington	CWC	376 – 28,168 gpd	None	None
Glastonbury	MDC, Manchester Water Dept.	None	None	3,122 – 234,184 gpd
Haddam	CWC	3 – 237 gpd	None	None
Hamden	SCCRWA	None	2,577 – 193,295 gpd	7,804 – 585,293 gpd
Manchester	Manchester Water Dept., MDC, CWC	1,448 – 108,576 gpd	None	None
Mansfield	CWC, Windham Water Works	None	None	129 – 9,674 gpd
Meriden	Meriden Water Div.	596 – 44,667 gpd	None	None
Middletown	Middletown Water Dept.	2,409 – 180,705 gpd	2,384 – 178,803 gpd	8,374 – 628,083 gpd
New Britain	New Britain Water Dept.	2,441 – 183,075 gpd	None	None
New Haven	SCCRWA	None	1,013 – 75,961 gpd	None
Newington	MDC, New Britain Water Dept.	239 – 17,900 gpd	858 – 64,350 gpd	4,662 – 349,650 gpd
Portland	Portland Water Dept.	61 – 4,605 gpd	None	None
Rocky Hill	MDC	99 – 7,392 gpd	None	3,346 – 250,946 gpd

TABLE B-1
Additional Community Water System Demand Projections Not Accounted for in Other Projections

Town	ESA Holder(s)	Additional Residential CWS Service Population and ADD (2023)	Additional Residential CWS Service Population and ADD (2030)	Additional Residential CWS Service Population and ADD (2060)
West Hartford	MDC	1,736 – 130,200 gpd	1,736 – 130,200 gpd	11,865 – 889,851 gpd
West Haven	SCCRWA	2,225 – 166,892 gpd	2,207 – 165,524 gpd	12,860 – 964,494 gpd
Wethersfield	MDC	106 – 7,950 gpd	609 – 45,675 gpd	4,877 – 365,755 gpd
Willington	CWC	20 – 1,479 gpd	None	None
Windsor Locks	CWC, MDC	None	151 – 11,311 gpd	None
TOTAL		**14,189 – 1,064,148 gpd**	**13,208 – 990,605 gpd**	**63,538 – 4,765,358 gpd**

Note: Projected demands are based on 75 gallons per person per day.

Finally, in some cases certain ESA holders have made clear that they would extend water mains to serve areas that would otherwise become new satellite CWSs. In such cases, the demands in Table B-1 above may be used as guidance by ESA holders for estimating additional demands in unserved areas of an ESA in the next WSP update.

B.2 Non-Community Water Systems

B.2.1 Existing Water Demands (2015-2016 Data)

The *Final Water Supply Assessment* (December 2016) did not include estimates of non-community public water system ADD. In general, actual usage data is not available for many systems as these data are not required to be submitted to DPH. Although NTNC systems have certified operators who record usage data (typically on a weekly basis), many TNC systems are unmetered or, if metered, have meters that are read irregularly. For those non-community systems that did not report water demand information, ADD was estimated based on the CT DPH Technical Standards for Subsurface Sewage Disposal Systems as revised through January 1, 2015 coupled with the estimated nonresidential population served.

In most cases, the ADD for non-community systems is estimated and is likely conservative. The Technical Standards for sewage disposal are purposefully higher than actual water usage to ensure a conservatively large septic system design. Therefore, the ADD reported for these systems should be considered a high-end estimate. Nevertheless, these estimates are useful for determining the potential nonresidential public water supply in an area.

Similar to the small CWSs, residential demands for the non-community water systems were only provided if such service was known or was included in a WSP. The vast majority of non-community systems do not have residential demands. Unaccounted-for water was also left at zero for all non-community systems unless specifically reported in a data collection response.

Finally, the majority of non-community water systems are very small, and available water calculations and demand projections are largely not available. It was assumed that each non-community system had sufficient water to meet its current demands. Sales of water to non-community systems were only reported if available from a data collection response, WSP, or PURA annual report. As available water is

not reported for non-community systems, the tables in Section 3.0 referencing available water are titled to regard only CWSs.

B.2.2 Projected Water Demands

Water demands are generally not projected for existing non-community water systems unless data to that effect was provided through a data collection response or in a WSP. Such systems typically only serve one parcel and the vast majority are not expected to expand to serve off-property.

Zoning in the majority of communities in the Central PWSMA is such that the development of new non-community water systems is possible. For the purposes of this regional analysis, the development of new non-community water system ADD was tied to each municipality's population increase.

- For municipalities where population was projected to be lost, it was assumed that no new non-community systems would be necessary.

- For municipalities where population was increasing, it was assumed that nonresidential demands from existing non-community water systems would increase by a percentage equal to the percent gain in population. In other words, when population is increasing it was assumed that additional public water service at businesses and industry will be necessary, but when population is decreasing the ADD is held steady.

In some cases, an existing large system is projected to expand and incorporate some of the nonresidential demand discussed above. However, new non-community public water systems are often developed in areas separated from or distant from existing service areas, and the associated water demands are minimal. Therefore, they have been included regardless of the presence of a larger system such that projected public water supply demands are conservatively higher.

Table B-2 presents the results of the additional non-community water system demand analysis. Note that not all communities are projected to need new non-community water systems or have additional non-community water system demands due to a decline in population. In general, any increases of less than 50 gpd in Table B-2 are expected to come within existing NTNC and TNC systems, while increases of more than 50 gpd are expected to be divided between new NTNC and TNC systems and existing non-community systems. Any new non-community water systems would be developed under the CPCN process.

The demands in Table B-2 may be used as guidance by ESA holders for estimating additional demands in unserved areas of an ESA in the next WSP update.

TABLE B-2
Additional Non-Community Water System Demand Projections Not Accounted for in Other Projections

Municipality	ESA Holder(s)	Additional NTNC and TNC ADD (2023)	Additional NTNC and TNC ADD (2030)	Additional NTNC and TNC ADD (2060)
Avon	Avon Water Co., CWC	109 gpd	116 gpd	600 gpd
Berlin	Berlin Water Control Comm., Kensington Fire Dist., Worthington Fire Dist., New Britain Water Dept.	32 gpd	21 gpd	None
Bethany	SCCRWA	49 gpd	None	None
Bloomfield	MDC	3 gpd	4 gpd	None
Canton	CWC, AWC	331 gpd	156 gpd	725 gpd
Cromwell	Cromwell Fire Dist.	25 gpd	23 gpd	100 gpd
East Granby	MDC, AWC, CWC	144 gpd	32 gpd	None
East Hampton	East Hampton WPCA, CWC, AWC	506 gpd	None	None
East Hartford	MDC	5 gpd	5 gpd	14 gpd
East Haven	SCCRWA	1 gpd	1 gpd	None
East Windsor	CWC, Hazardville Water Co.	366 gpd	304 gpd	821 gpd
Ellington	CWC	834 gpd	628 gpd	1,747 gpd
Farmington	CWC, MDC, New Britain Water Dept., Avon Water Co., Valley Water Systems	48 gpd	91 gpd	650 gpd
Guilford	CWC	None	None	929 gpd
Haddam	CWC	820 gpd	None	None
Hamden	SCCRWA	415 gpd	460 gpd	1,790 gpd
Lyme	Town of Lyme	170 gpd	136 gpd	None
Madison	CWC	None	None	6,274 gpd
Manchester	Manchester Water Dept., MDC, CWC	877 gpd	780 gpd	2,133 gpd
Mansfield	CWC, Windham Water Works	919 gpd	661 gpd	7,016 gpd
Meriden	Meriden Water Div.	54 gpd	49 gpd	36 gpd
Middletown	Middletown Water Dept.	4,133 gpd	4,090 gpd	14,366 gpd
Newington	MDC, New Britain Water Dept.	336 gpd	398 gpd	2,217 gpd
Orange	SCCRWA	None	None	67 gpd
Plainville	Valley Water Systems	5 gpd	10 gpd	None
Portland	Portland Water Dept.	63 gpd	60 gpd	250 gpd
Simsbury	AWC, Avon Water Co.	None	None	2,128 gpd
Suffield	CWC	188 gpd	100 gpd	180 gpd
Vernon	CWC, Manchester Water Dept.	79 gpd	65 gpd	22 gpd
Wallingford	Wallingford Water Div.	None	1 gpd	None
Westbrook	CWC	21 gpd	None	None
Wethersfield	MDC	2 gpd	3 gpd	24 gpd
Willington	CWC	178 gpd	None	None
Windsor Locks	CWC, MDC	12 gpd	13 gpd	None
TOTAL		**10,723 gpd**	**8,204 gpd**	**42,087 gpd**

B.3 Other Areas Where Potential Demands May Occur Despite Projected Population Decline

Section 6.2 of the *Final Water Supply Assessment* (December 2016) identified several locations where public water service was desired in order to address certain areas of need. These include areas not accounted for in WSP projections or the population-based community and non-community demand projections discussed in Section B.1 or Section B.2. These areas include the following:

- Bolton – Provision of water service along Route 44 is encouraged to support residential and commercial use should the opportunity arise;
- Coventry – Commercial and retail development is limited in part by minimal public water system infrastructure, and public water systems are recommended for areas currently without infrastructure where commercial and retail development is desired. A public water system may also improve water quantity and quality around Coventry Lake where lot sizes are very small;
- Durham – Extension of Middletown Water Department system and interconnection with the Durham Center system is planned to address issues related to contamination of private wells. Projected demands of this system are included in Middletown's projections;
- East Hampton – Supply quantity and quality continue to be issues throughout the community but particularly in the downtown area. The Town has planned for a municipal water system to address these needs for more than a decade (the projections are included in this document) and recently launched a study to determine the feasibility of interconnecting several downtown systems and sources to increase available water and redundancy;
- East Windsor – Public water system may need to expand to areas where increased density is encouraged, particularly along Route 140 in the Northern Business Corridor and to the Railroad M1 district;
- Granby – Public water service expansion along Salmon Brook Street is desired;
- Guilford – Public water service expansion by CWC is encouraged;
- Haddam – Many properties in the Tylerville section of Haddam have been found to have contaminated drinking water wells or are at risk of being contaminated. The Town of Haddam entered into a Consent Order with the DEEP and DPH on December 20, 2017. Extension of water from the CWC – Chester system is the proposed solution to provide long-term potable drinking water to affected properties.
- Middlefield – Expansion of Middletown Water Department system to limited areas may be desired;
- Middletown – Expansion of Middletown Water Department system to some industrial zones is desired;
- Newington – Desires to expand MDC system to areas not presently served and to where future development is anticipated;
- Old Lyme – Desires to see several shoreline water systems interconnected and consolidated; and
- Westbrook – Encourages expansion of CWC system in high-density shoreline areas.

In general, with the exception of East Hampton and Durham, specific water demand projections for these areas have not been developed, and any such projects have an uncertain timetable. In some cases, the areas to be served are included in WSPs and therefore are already accounted for herein. In the remaining cases, the water demands will likely be individually relatively minimal (less than 20,000 gpd) and largely subsume existing non-community demands. Therefore, while it is recognized that new or expanded systems may be needed for these areas, inclusion of these remaining demands in the regional projections is not necessary at this time.

Table B-3: Central PWSMA - Existing Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2015-2016 Residential Demand	2015 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2015-16 Total ADD	Water Sold to Other Utility	2015-16 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Andover	Hop River Homes	AWC	C	26	0.002	-	0.002	-	0.002	-	0.002	0.038			0.038						0.036
Andover	Whispering Hills, LLC - Well A System	AWC	C	16	0.001	-	0.001	-	0.001	-	0.001	0.010			0.010						0.009
Andover	Whispering Hills, LLC - Well D System	AWC	C	48	0.004	-	0.004	-	0.004	-	0.004	0.050			0.050						0.046
Andover	7-Eleven #32523	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Andover	Andover Plaza	AWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Andover	Andover Town Hall & Fire Department	AWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Andover	First Congregational Church	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Andover	Xtra Mart Water Supply	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Andover	Andover Elementary School	AWC	NTNC	381	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Andover	Network, Inc.	AWC	NTNC	77	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Andover	Scott Electrokrafts	AWC	NTNC	45	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Avon	Avon Water Co	Avon Water Company	C-Large	11,061	0.861	0.451	1.313	0.059	1.372	0.057	1.315	4.777	-	0.650	4.127		0.338				2.474
Avon	CTWC - Naugatuck Reg-Collinsville Sys	CTWC	C-Large	1,141	0.081	0.003	0.084	0.001	0.085	-	0.085	-	0.650	-	0.650	-	-	-	-	0.057	0.565
Avon	CTWC - Unionville System	CTWC	C-Large	2,345	0.225	0.002	0.227	0.020	0.247	-	0.247	-	-	-	-	0.247	-	-		-	-
Avon	Farmington Valley Arc	Avon Water Company	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Avon	Talcott Mountain Science Center #1	Avon Water Company	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Avon	Talcott Mountain Science Center #2	Avon Water Company	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Berlin	Berlin Water Control Commission	Berlin Water Control Commission	C-Large	6,847	0.470	0.407	0.878	0.150	1.027	0.218	0.809	0.756	1.600	0.685	1.671		0.001			0.743	0.861
Berlin	Kensington Fire District	Kensington Fire District	C-Large	7,553	0.529	0.184	0.713	0.10	0.810	-	0.810	-	0.810	-	0.810	-	-	-	-	0.810	-
Berlin	New Britain Water Department	New Britain Water Department	C-Large	212	0.015	0.003	0.018	0.001	0.019	-	0.019	-	-	-	-	0.019	-	-	-	-	-
Berlin	Worthington Fire District	Worthington Fire District	C-Large	2,898	0.174	0.040	0.214	0.004	0.218	-	0.218	-	0.685	-	0.685	-	-	-	-	0.218	0.467
Berlin	Berlin Bowling Center	Berlin Water Control Commission	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Berlin	Safari Golf	Berlin Water Control Commission	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Berlin	Svea Social Club	Berlin Water Control Commission	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Berlin	Sunny Border Nursery	Berlin Water Control Commission	NTNC	135	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Berlin	Metropolitan District Commission	Berlin Water Control Commission	C-Large	163	0.011	-	0.011	0.004	0.015	-	0.015	-			-	0.015					-
Bethany	Bethany Mobile Home Park	SCCRWA	C	138	0.010	-	0.010	-	0.010	-	0.010	0.050			0.050						0.040
Bethany	SCCRWA	SCCRWA	C-Large	9	0.000	0.000	0.001	0.000	0.001	-	0.001	-			-	0.001					-
Bethany	119 Amity Road	SCCRWA	NC	28	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bethany	667-687 Amity Road	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bethany	Bethany Mart	SCCRWA	NC	100	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bethany	Bethany Volunteer Fire Dept Hq	SCCRWA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bethany	Billy's Ice Cream & Marketplace	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bethany	Christ Episcopal Church	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bethany	Country Corner Diner LLC	SCCRWA	NC	32	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bethany	First Church of Christ Congregational	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bethany	Steves Deli	SCCRWA	NC	102	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bethany	Teddy Bs	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bethany	Veterans Memorial Park Pavillion	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bethany	Woodhaven Country Club	SCCRWA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bethany	234 Amity Road	SCCRWA	NTNC	55	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bethany	41 Village Lane Office Park	SCCRWA	NTNC	33	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bethany	Amity Regional Junior High School	SCCRWA	NTNC	475	-	0.007	0.007	-	0.007		0.007	-	-	-	-	-	-	-	-	-	-
Bethany	Amity Village - Bethany 63 Plaza	SCCRWA	NTNC	65	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bethany	Bethany Town Center	SCCRWA	NTNC	750	-	0.011	0.011	-	0.011		0.011	-	-	-	-	-	-	-	-	-	-
Bethany	Laticrete International	SCCRWA	NTNC	75	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Bethany	M & M Properties	SCCRWA	NTNC	38	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bethany	State Police Barracks Troop I	SCCRWA	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bethany	The Graduate Institute	SCCRWA	NTNC	180	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-

Table B-3: Central PWSMA - Existing Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2015-2016 Residential Demand	2015 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2015-16 Total ADD	Water Sold to Other Utility	2015-16 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Bloomfield	Grant Hill Associates, Inc.	MDC	C	97	0.007	-	0.007	-	0.007	-	0.007	0.045			0.045						0.038
Bloomfield	Juniper Club Inc.	MDC	C	104	0.008	-	0.008	-	0.008	-	0.008	0.027			0.027						0.019
Bloomfield	Orchard Hill Association	MDC	C	30	0.002	-	0.002	-	0.002	-	0.002	0.050			0.050						0.048
Bloomfield	Sharon Heights Water Association	MDC	C	51	0.004	-	0.004	-	0.004	-	0.004	0.032			0.032						0.029
Bloomfield	Metropolitan District Commission	MDC	C-Large	19,368	1.273	0.680	1.953	0.523	2.476	-	2.476	-			-	2.476					-
Bloomfield	J. C. C. Swim & Tennis Club	MDC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bloomfield	Penwood State Park/Main Park Well	MDC	NC	700	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Bolton	166 & 180 Boston Turnpike	CTWC	C	31	0.001	-	0.001	-	0.001	-	0.001	0.050			0.050						0.050
Bolton	890 Boston Turnpike	CTWC	C	60	0.005	-	0.005	-	0.005	-	0.005	0.032			0.032						0.028
Bolton	Cook Drive Association	CTWC	C	49	0.006	-	0.006	-	0.006	-	0.006	0.011			0.011						0.005
Bolton	CTWC - Northern Reg-Llynwood System	CTWC	C	192	0.006	-	0.006	-	0.006	-	0.006	0.020			0.020						0.014
Bolton	Southridge Park Apartments	CTWC	C	50	0.004	-	0.004	-	0.004	-	0.004	0.050			0.050						0.046
Bolton	Sunset Apartments LLC	CTWC	C	46	0.003	-	0.003	-	0.003	-	0.003	0.050			0.050						0.047
Bolton	1135 Boston Turnpike - Bolton	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	299 Boston Turnpike - Plaza	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	60 Villa Louisa - Villa Louisa/Rossittos	ESA Unassigned	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	A-One Food Store	ESA Unassigned	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	Bolton Congregational Church	ESA Unassigned	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	Bolton Gulf	CTWC	NC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	Bolton Ice Palace	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	Bolton Mobil	ESA Unassigned	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	Bolton Notch Plaza	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	Bolton Pizza	ESA Unassigned	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	Bolton Professional Bldg	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	Bolton Town Hall	Town of Bolton	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	Fish Family Farm	ESA Unassigned	NC	41	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	Georginas Pizza	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	Herrick Park	CTWC	NC	29	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	Our Place Restaurant	ESA Unassigned	NC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	Saint Maurice Church Well# 1	ESA Unassigned	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	Saint Maurice Church Well# 2	ESA Unassigned	NC	37	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	Three Js Cafe	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	United Methodist Church	CTWC	NC	35	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	Able Coil	CTWC	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	Bolton Center School (K-8)	Town of Bolton	NTNC	756	-	0.011	0.011	-	0.011		0.011	-	-	-	-	-	-	-	-	-	-
Bolton	Bolton High School	Town of Bolton	NTNC	304	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Bolton	Comcast Corporation	CTWC	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	Hans Christian Andersen Montessori	ESA Unassigned	NTNC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	Munson's Candy Kitchen	CTWC	NTNC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	Netsource, Inc.	ESA Unassigned	NTNC	75	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Bolton	Simoniz USA	CTWC	NTNC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	The Carlyle Johnson Machine Company	ESA Unassigned	NTNC	42	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Branford	SCCRWA	SCCRWA	C-Large	27,758	1.443	1.053	2.497	0.309	2.805	0.116	2.689	-		1.000	(1.000)	2.805					(0.884)
Canton	298-302 Albany Turnpike	CTWC	C	28	0.002	-	0.002	-	0.002	-	0.002	0.006			0.006						0.004
Canton	CTWC - Naugatuck Reg-Collinsville Sys	CTWC	C-Large	4,118	0.293	0.088	0.381	0.004	0.385	-	0.385	-	0.650	-	0.650	-	0.009	-	-	0.422	0.256
Canton	180 Cherry Brook Road - Canton	CTWC	NC	36	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Canton	192 Albany Turnpike - Canton	CTWC	NC	155	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Canton	306 Albany Turnpike	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Canton	310 Albany Turnpike	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Canton	First Congregational Church of Canton Ce	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Canton	Giv Coffee Roastery And Cafe	CTWC	NC	34	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Canton	North Canton United Methodist Church	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Canton	Roaring Brook Nature Center	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Canton	Canton Professional Building	CTWC	NTNC	35	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Canton	Cherry Brook School	CTWC	NTNC	615	-	0.007	0.007	-	0.007		0.007	-	-	-	-	-	-	-	-	-	-
Canton	Jonis Child Care	CTWC	NTNC	112	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Canton	Stepping Stones Educational Center	CTWC	NTNC	185	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-

Table B-3: Central PWSMA - Existing Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2015-2016 Residential Demand	2015 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2015-16 Total ADD	Water Sold to Other Utility	2015-16 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Chester	Aaron Manor Nursing & Rehab Center	CTWC	C	81	0.006	-	0.006	-	0.006	-	0.006	0.017			0.017						0.011
Chester	CTWC - Shoreline Reg-Chester Vllg West	CTWC	C	216	0.006	-	0.006	-	0.006	-	0.006	0.015	-	-	0.015						0.009
Chester	CTWC - Shoreline Region-Chester System	CTWC	C-Large	1,404	0.085	0.039	0.124	0.021	0.145	-	0.145	1.200	-	-	1.200		0.440				0.615
Chester	Brushmill By The Waterfall	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Chester	Camp Hazen YMCA Well #1	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Chester	Camp Hazen YMCA Well #3	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Chester	Guest House Retreat & Conference Center	CTWC	NC	25	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Chester	Roto Frank of America	CTWC	NTNC	70	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Chester	Twelve Inspiration Lane, LLC	CTWC	NTNC	68	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Chester	Whelen Engineering Co	CTWC	NTNC	525	-	0.013	0.013	-	0.013		0.013	-	-	-	-	-	-	-	-	-	-
Chester	Whelen Engineering Co - Aviation	CTWC	NTNC	100	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Clinton	Evergreen Trailer Park - System #1	CTWC	C	45	0.002	-	0.002	-	0.002	-	0.002	0.019			0.019						0.017
Clinton	Evergreen Trailer Park - System #2	CTWC	C	35	0.001	-	0.001	-	0.001	-	0.001	0.015			0.015						0.014
Clinton	Evergreen Trailer Park - System #3	CTWC	C	68	0.003	-	0.003	-	0.003	-	0.003	0.029			0.029						0.026
Clinton	Evergreen Trailer Park - System #4	CTWC	C	110	0.008	-	0.008	-	0.008	-	0.008	0.021			0.021						0.012
Clinton	Nod Hill Apartments	CTWC	C	48	0.004	-	0.004	-	0.004	-	0.004	0.008			0.008						0.004
Clinton	CTWC - Shoreline Region-Guilford System	CTWC	C-Large	9,000	0.516	0.202	0.718	0.175	0.893	-	0.893	4.920	-	-	4.920		1.734				2.293
Clinton	36 Killingworth Tnpk-Lantern Sq-Clinton	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Clinton	Chamard Vineyards	CTWC	NC	40	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Clinton	Indian River Recreational Complex	CTWC	NC	28	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	CTWC - Columbia Heights Div.	AWC	C	32	0.005	-	0.005	-	0.005	-	0.005	0.018			0.018						0.013
Columbia	Dartmouth Village Elderly Housing	AWC	C	25	0.002	-	0.002	-	0.002	-	0.002	0.050			0.050						0.048
Columbia	Woodland Terrace	AWC	C	27	0.002	-	0.002	-	0.002	-	0.002	0.019			0.019						0.017
Columbia	52 Route 66	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	Beckish Senior Center	AWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Columbia	Camp Asto Wamah - Hungerford	AWC	NC	100	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Columbia	Camp Asto Wamah - Infirmary	AWC	NC	100	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Columbia	Camp Asto Wamah - Lodge	AWC	NC	100	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Columbia	Columbia Beach House	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	Columbia Congregational Church	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	Columbia Town Hall	AWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Columbia	Cornerstone of Columbia	AWC	NC	193	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Columbia	Heartstone Farm & Winery, LLC	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	Hop River Motel	AWC	NC	25	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Columbia	Ica Donuts, LLC	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	Mottas Pastry & Bake Shop	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	Recreation Park	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	Rosemar LLC	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	Saint Columba Church	AWC	NC	49	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	The Lighthouse Restaurant	AWC	NC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Columbia	Baptist Fellowship Church	AWC	NTNC	48	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	Columbia Ford	AWC	NTNC	95	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Columbia	Columbia Manufacturing - Well #1	AWC	NTNC	150	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Columbia	Columbia Manufacturing - Well #2	AWC	NTNC	155	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Columbia	Discovery Zone Learning Center	AWC	NTNC	189	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Columbia	Eastconn Columbia	AWC	NTNC	60	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Columbia	Eastconn Early Childhood Center	AWC	NTNC	250	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Columbia	Horace Porter School	AWC	NTNC	797	-	0.012	0.012	-	0.012		0.012	-	-	-	-	-	-	-	-	-	-
Columbia	Mirjaf, Inc.	AWC	NTNC	85	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Coventry	Coventry Housing Authority-Lower System	CTWC	C	80	0.002	-	0.002	-	0.002	-	0.002	0.043			0.043						0.041
Coventry	Coventry Housing Authority-Upper System	CTWC	C	80	0.001	-	0.001	-	0.001	-	0.001	0.017			0.017						0.016
Coventry	CTWC - Coventry Hills Div	CTWC	C	700	0.031	-	0.031	-	0.031	-	0.031	0.050			0.050						0.019
Coventry	CTWC - General Water Division	CTWC	C	306	0.014	-	0.014	0.004	0.017	-	0.017	0.043			0.043						0.026
Coventry	CTWC - Northern Region-Lakeview Terrace	CTWC	C	472	0.012	-	0.012	0.003	0.015	-	0.015	0.022			0.022						0.007
Coventry	CTWC - Northern Region-	CTWC	C	256	0.005	-	0.005	0.001	0.006	-	0.006	0.009			0.009						0.002

Table B-3: Central PWSMA - Existing Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2015-2016 Residential Demand	2015 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2015-16 Total ADD	Water Sold to Other Utility	2015-16 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Coventry	CTWC - Northern Reg-Nathan Hale System	CTWC	C	160	0.005	-	0.005	-	0.005	-	0.005	0.016			0.016						0.011
Coventry	CTWC - Pilgrim Hills Division	CTWC	C	229	0.014	-	0.014	-	0.014	-	0.014	0.050			0.050						0.036
Coventry	CTWC - South Coventry System	CTWC	C	501	0.025	-	0.025	0.004	0.030	-	0.030	0.048			0.048						0.018
Coventry	Twin Hills Water District	CTWC	C	156	0.007	-	0.007	-	0.007	-	0.007	0.042			0.042						0.036
Coventry	1657 Boston Turnpike - Coventry	CTWC	NC	203	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Coventry	7-Eleven Coventry	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Channel 3 Country Camp	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Coventry	Cove Plaza	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Coventry Food Mart	CTWC	NC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Coventry Pizza Restaurant	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Coventry	Coventry Plaza	CTWC	NC	38	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Coventry Senior Center	Town of Coventry	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Coventry	Cvs Plaza - Coventry	CTWC	NC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Dimitris Pizza	CTWC	NC	26	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Coventry	Dunkin Donuts	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	McMc Investments LLC	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Coventry	Nathan Hale Homestead	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Patriots Park - Community Center	Town of Coventry	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Presbyterian Church of Coventry	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Saint Marys Church	CTWC	NC	31	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Skungamaug River Golf Course	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Coventry	Storrs Community Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Twin Hills Country Club	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Coventry	Walgreen's Pharmacy-Coventry	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Coventry Grammar School	Town of Coventry	NTNC	558	-	0.006	0.006	-	0.006		0.006	-	-	-	-	-	-	-	-	-	-
Coventry	Coventry High & Nathan Hale Schools	Town of Coventry	NTNC	1,252	-	0.023	0.023	-	0.023		0.023	-	-	-	-	-	-	-	-	-	-
Coventry	Coventry Kids Center	CTWC	NTNC	80	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	George Hersey Robertson School	Town of Coventry	NTNC	573	-	0.006	0.006	-	0.006		0.006	-	-	-	-	-	-	-	-	-	-
Coventry	Meadowbrook Shopping Center	CTWC	NTNC	40	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Prince of Peace Lutheran Church	CTWC	NTNC	34	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Cromwell	Cromwell Fire District Water Department	Cromwell Fire District	C-Large	14,316	1.052	0.578	1.630	0.158	1.787	0.076	1.711	7.870		0.300	7.570						5.859
Cromwell	Metropolitan District Commission	Cromwell Fire District	C-Large	31	0.002	-	0.002	0.001	0.003	-	0.003	-			-	0.003					-
Cromwell	227 & 229 Shunpike Road	Cromwell Fire District	NC	41	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Cromwell	Convenience Store	Cromwell Fire District	NC	100	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Deep River	Ridgewood Hills Association, System #1	CTWC	C	18	0.001	-	0.001	-	0.001	-	0.001	0.019			0.019						0.018
Deep River	Ridgewood Hills Association, System #2	CTWC	C	18	0.001	-	0.001	-	0.001	-	0.001	0.019			0.019						0.018
Deep River	Ridgewood Hills Association, System #3	CTWC	C	18	0.001	-	0.001	-	0.001	-	0.001	0.019			0.019						0.018
Deep River	Ridgewood Hills Association, System #4	CTWC	C	18	0.001	-	0.001	-	0.001	-	0.001	0.019			0.019						0.018
Deep River	CTWC - Shoreline Region-Chester System	CTWC	C-Large	1,971	0.119	0.055	0.174	0.030	0.203	-	0.203	-	-	-	-	0.440	0.237				-
Deep River	Brewers Deep River Marina	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Deep River	Richcat, LLC	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Deep River	Incarnation Center, Inc	CTWC	NTNC	42	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Deep River	John Winthrop Junior High School	CTWC	NTNC	400	-	0.007	0.007	-	0.007		0.007	-	-	-	-	-	-	-	-	-	-
Deep River	Mount Saint John School	CTWC	NTNC	40	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Deep River	Valley Regional High School	CTWC	NTNC	565	-	0.010	0.010	-	0.010		0.010	-	-	-	-	-	-	-	-	-	-
Durham	Blue Trails Water Association	CTWC	C	228	0.017	-	0.017	-	0.017	-	0.017	0.041			0.041						0.024
Durham	Durham Center Division	Town of Durham	C	140	0.011	-	0.011	-	0.011	-	0.011	0.050	0.220		0.270						0.260
Durham	Durham Elderly Housing Division	Town of Durham	C	50	0.004	-	0.004	-	0.004	-	0.004	0.050			0.050						0.046
Durham	Durham Lexington Place Division	Town of Durham	C	45	0.003	-	0.003	-	0.003	-	0.003	0.050			0.050						0.047
Durham	Twin Maples Nursing Home	CTWC	C	100	0.008	-	0.008	-	0.008	-	0.008	0.023			0.023						0.015
Durham	Yeshiva of Waterbury-Durham Campus (Formerly Stonegate Springs NTNC)	Town of Durham	C	95	0.007	-	0.007	-	0.007	-	0.007	0.050			0.050						0.043
Durham	1041 New Haven Road - Durham	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	238 Main Street	Town of Durham	NC	47	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	325 Main Street	Town of Durham	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-

Table B-3: Central PWSMA - Existing Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2015-2016 Residential Demand	2015 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2015-16 Total ADD	Water Sold to Other Utility	2015-16 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Durham	459 Madison Rd	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	45R Ozick Drive - Unit 18-R	Town of Durham	NC	38	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Adams Commons, LLC.	Town of Durham	NC	43	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Camp Farnam	Town of Durham	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Carolyn Adams' Country Barn	Town of Durham	NC	29	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Citizens Bank - Durham	Town of Durham	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Commerce Circle Assoc	Town of Durham	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Dhi Enterprises, Inc.	CTWC	NC	31	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Dunkin Donuts	Town of Durham	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Durham Commons	Town of Durham	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Fas Mart #313	Town of Durham	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Grippos Mobil Service Center	Town of Durham	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Linos Market	Town of Durham	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Durham	New Haven Racoon Club	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	The Lnjs Realty Family Ltd Partnership	Town of Durham	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Durham	The United Churches of Durham - Church	Town of Durham	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Time Out Taverne	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	United Churches Corporation	Town of Durham	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Dd Durham	Town of Durham	NTNC	156	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Durham	Durham Manufacturing Company	Town of Durham	NTNC	200	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Durham	Frederick Brewster School	Town of Durham	NTNC	370	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Durham	Hobson Motzer, Inc.	Town of Durham	NTNC	200	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Durham	Morgan Am&T - Building #1	Town of Durham	NTNC	100	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Durham	Regional School Dist #13 Consolidation	Town of Durham	NTNC	1,261	-	0.023	0.023	-	0.023		0.023	-	-	-	-	-	-	-	-	-	-
East Granby	Chelsea Common Condominium Association	MDC	C	126	0.004	-	0.004	-	0.004	-	0.004	0.030			0.030						0.026
East Granby	GQC Well Commission	MDC	C	360	0.016	-	0.016	-	0.016	-	0.016	0.050			0.050						0.034
East Granby	Metacomet Homes-Well 1	MDC	C	27	0.002	-	0.002	-	0.002	-	0.002	0.009			0.009						0.007
East Granby	Metacomet Homes-Well 2	MDC	C	36	0.003	-	0.003	-	0.003	-	0.003	0.009			0.009						0.006
East Granby	Old Newgate Ridge Water Company Inc	MDC	C	208	0.016	-	0.016	-	0.016	-	0.016	0.050			0.050						0.034
East Granby	Turkey Hill of East Granby, LLC	AWC	C	360	0.025	-	0.025	-	0.025	-	0.025	0.050			0.050						0.025
East Granby	Aquarion Water Co of CT-Simsbury System	AWC	C-Large	208	0.017	0.005	0.022	0.006	0.028	-	0.028	-	-	-	-	0.028	-	-	-	-	-
East Granby	CTWC - Northern Reg-Western System	CTWC	C-Large	66	0.005	0.070	0.075	0.001	0.076	-	0.076	-	-	-	-	0.076	-	-	-	-	-
East Granby	Metropolitan District Commission	MDC	C-Large	759	0.050	0.067	0.117	0.021	0.137	-	0.137	-			-	0.137					-
East Granby	20 Copper Hill Road	MDC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Granby	95 Spoonville Road - East Granby	MDC	NC	29	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Granby	Brignole Vineyards, LLC	AWC	NC	35	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Granby	East Granby Farms	MDC	NC	27	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Granby	Hartford Gun Club - Main Club House	MDC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Granby	Acceleron	AWC	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Granby	Galasso Materials, LLC-Garage Well	MDC	NTNC	120	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
East Granby	Galasso Materials, LLC-Main Office Well	MDC	NTNC	120	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
East Granby	Galasso Materials, LLC-Sales Well	MDC	NTNC	120	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
East Haddam	31 Grist Mill Rd	Town of East Haddam	C	19	0.002	-	0.002	-	0.002	-	0.002	0.031			0.031						0.029
East Haddam	Chestelm Health & Rehabilitation Center	Town of East Haddam	C	120	0.007	-	0.007	-	0.007	-	0.007	0.019			0.019						0.012
East Haddam	CTWC - Banner Village	CTWC	C	265	0.006	-	0.006	0.003	0.009	-	0.009	0.050			0.050						0.041
East Haddam	CTWC - Lake Hayward	CTWC	C	650	0.005	-	0.005	0.004	0.009	-	0.009	0.050			0.050						0.041
East Haddam	Franklin Academy	Town of East Haddam	C	81	0.006	-	0.006	-	0.006	-	0.006	0.030			0.030						0.024
East Haddam	Goodspeed Actor Housing - The Village	Town of East Haddam	C	40	0.003	-	0.003	-	0.003	-	0.003	0.022			0.022						0.019
East Haddam	Oak Grove Senior Housing Corp	Town of East Haddam	C	72	0.005	-	0.005	-	0.005	-	0.005	0.013			0.013						0.008
East Haddam	12 Rae Palmes Road - East Haddam	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-

Table B-3: Central PWSMA - Existing Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2015-2016 Residential Demand	2015 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2015-16 Total ADD	Water Sold to Other Utility	2015-16 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
East Haddam	2 Norwich Road	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	32 Main Street - East Haddam	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	374 Town Street	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	381 Town Street - East Haddam	Town of East Haddam	NC	42	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	7-Eleven #32526	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	American Legion Post #156	Town of East Haddam	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	Cave Hill Resort	Town of East Haddam	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	Christ Community Church of East Haddam	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	East Haddam Public Library	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	East Haddam Senior Center	Town of East Haddam	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	First Church of Christ Congregational	Town of East Haddam	NC	89	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Fox Hopyard Golf Club - Pro Shop Well	Town of East Haddam	NC	40	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Fox Hopyard Golf Club(Club House Well)	Town of East Haddam	NC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	Gillette Castle State Park / Castle Well	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Gillette Castle State Park / Concession	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Goodspeed Realty LLC	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Grandview Camp Resort & Cottages	Town of East Haddam	NC	29	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	La Vita Gustosa	Town of East Haddam	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	Middlesex 4-H Camp	Town of East Haddam	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	Middlesex Hospital Medical Facility	Town of East Haddam	NC	31	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	My Fathers House	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Nathan Hale Plaza, LLC	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Rathbun Free Memorial Library	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Sanibel Farms Store	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	St Bridgets of Kildare Church	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	St Stephens Episcopal Church	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Town Office Complex	Town of East Haddam	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	Wolfs Den Campground-System #2:Main	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Wolfs Den Campground-System #3:Backup	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Chestelm Adult Day Services, Inc.	Town of East Haddam	NTNC	39	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	East Haddam Elementary School	Town of East Haddam	NTNC	600	-	0.007	0.007	-	0.007		0.007	-	-	-	-	-	-	-	-	-	-
East Haddam	Goodspeed Opera House	Town of East Haddam	NTNC	150	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	Kindercare Learning Corp of Moodus	Town of East Haddam	NTNC	100	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-

Table B-3: Central PWSMA - Existing Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2015-2016 Residential Demand	2015 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2015-16 Total ADD	Water Sold to Other Utility	2015-16 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
East Haddam	Little Noises Day Care, LLC	Town of East Haddam	NTNC	44	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Little Village Preschool	Town of East Haddam	NTNC	34	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Nathan Hale-Ray High School	Town of East Haddam	NTNC	461	-	0.008	0.008	-	0.008		0.008	-	-	-	-	-	-	-	-	-	-
East Haddam	Nathan Hale-Ray Middle School	Town of East Haddam	NTNC	620	-	0.009	0.009	-	0.009		0.009	-	-	-	-	-	-	-	-	-	-
East Hampton	Aquarion Water Co of CT-East Hampton Div	East Hampton WPCA	C	189	0.006	-	0.006	0.001	0.007	-	0.007	0.008			0.008						0.001
East Hampton	Bellwood Court	East Hampton WPCA	C	31	0.002	-	0.002	-	0.002	-	0.002	0.008			0.008						0.005
East Hampton	Chatham Acres Elderly Housing	East Hampton WPCA	C	50	0.004	-	0.004	-	0.004	-	0.004	0.050			0.050						0.046
East Hampton	Chatham Apartments	East Hampton WPCA	C	40	0.003	-	0.003	-	0.003	-	0.003	0.043			0.043						0.040
East Hampton	Cobalt Lodge Healthcare & Rehab Center (Z, Inc.)	East Hampton WPCA	C	130	0.004	-	0.004	-	0.004	-	0.004	0.050			0.050						0.046
East Hampton	CTWC - Baker Hill Division	CTWC	C	203	0.006	-	0.006	-	0.006	-	0.006	0.029			0.029					0.000	0.023
East Hampton	CTWC - Spice Hill Division	East Hampton WPCA	C	712	0.028	-	0.028	-	0.028	-	0.028	0.049			0.049					0.000	0.020
East Hampton	CTWC - Westchester East	East Hampton WPCA	C	153	0.005	-	0.005	-	0.005	-	0.005	0.039			0.039						0.034
East Hampton	East Hampton WPCA - Royal Oaks System	East Hampton WPCA	C	328	0.011	0.001	0.012	0.001	0.013		0.013	0.040			0.040						0.027
East Hampton	East Hampton WPCA - Village Center	East Hampton WPCA	C	366	0.003	0.006	0.009	0.001	0.010		0.010	0.021			0.021						0.012
East Hampton	Edgemere Condominium Assn., Inc.	East Hampton WPCA	C	540	0.041	-	0.041	-	0.041	-	0.041	0.050			0.050						0.010
East Hampton	Mallard Cove Condominium Assn.	East Hampton WPCA	C	177	0.008	-	0.008	-	0.008	-	0.008	0.050			0.050						0.042
East Hampton	Westside Manor	East Hampton WPCA	C	30	0.002	-	0.002	-	0.002	-	0.002	0.010			0.010						0.007
East Hampton	197 East High Street	East Hampton WPCA	NC	31	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	227 West High Street - E Hampton	East Hampton WPCA	NC	39	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	26 East High Street	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	36 East High Street - East Hampton	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	37 East High Street - E Hampton	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	Angelicos Lakehouse	East Hampton WPCA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	Bethlehem Lutheran Church	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	Chatham Corner Building	East Hampton WPCA	NC	28	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	East Hampton Fire Station #1	East Hampton WPCA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	East Hampton Fire Station #2	East Hampton WPCA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	Food Bag	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	Food Bag - East High Street	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	Gustine's Rv Sales & Service	East Hampton WPCA	NC	31	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	Haddam Neck Covenant Church	East Hampton WPCA	NC	60	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	Hope Church of East Hampton	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	Kickback N Bowl	East Hampton WPCA	NC	28	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	Loco Perro	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	Nelsons Campground - Area G	East Hampton WPCA	NC	50	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
East Hampton	Nelsons Campground - Area H	East Hampton WPCA	NC	60	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
East Hampton	Pats Market Cobalt, LLC	East Hampton WPCA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	Rossinis	East Hampton WPCA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	Sears Park	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	Spencers Funeral Home	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	Sports On 66	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	St Patrick Church	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	St. Patrick Church - Parish Center	East Hampton WPCA	NC	33	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	VFW #5095	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	201 West High Street	East Hampton WPCA	NTNC	64	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	3 Smith Street	East Hampton WPCA	NTNC	48	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	American Distilling & Manufacturing, Inc	East Hampton WPCA	NTNC	55	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	Brooks Plaza	East Hampton WPCA	NTNC	67	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	East Hampton Community Center	East Hampton WPCA	NTNC	26	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	East Hampton High School	East Hampton WPCA	NTNC	540	-	0.010	0.010	-	0.010		0.010	-	-	-	-	-	-	-	-	-	-
East Hampton	East Hampton Mall	East Hampton WPCA	NTNC	100	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
East Hampton	East Hampton Middle School	East Hampton WPCA	NTNC	459	-	0.007	0.007	-	0.007		0.007	-	-	-	-	-	-	-	-	-	-
East Hampton	Eversource Energy East Hampton Srvc Ctr	East Hampton WPCA	NTNC	80	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
East Hampton	Global Self Storage	East Hampton WPCA	NTNC	86	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	Lakeshore, LLC	CTWC	NTNC	94	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
East Hampton	Lakeview Court, LLC	East Hampton WPCA	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-

Table B-3: Central PWSMA - Existing Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2015-2016 Residential Demand	2015 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2015-16 Total ADD	Water Sold to Other Utility	2015-16 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
East Hampton	Markham Meadows Campground-Well #2	East Hampton WPCA	NTNC	49	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
East Hampton	Masonic Temple Assn of East Hampton	East Hampton WPCA	NTNC	75	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
East Hampton	McDonalds of East Hampton	East Hampton WPCA	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	Theater Square	East Hampton WPCA	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	Town of East Hampton	East Hampton WPCA	NTNC	37	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hartford	Metropolitan District Commission	MDC	C-Large	48,584	3.193	1.705	4.898	1.313	6.211	-	6.211	-			-	10.924	4.713				0.000
East Hartford	Cumberland Farms #4647	MDC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haven	SCCRWA	SCCRWA	C-Large	27,948	1.453	1.060	2.514	0.311	2.824	-	2.824	11.800			11.800	17.752	26.728				-
East Haven	250 Bradley Street	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Windsor	East Windsor Housing Authority	CTWC	C	94	0.007	-	0.007	-	0.007	-	0.007	0.022			0.022						0.015
East Windsor	Markowski Farms	CTWC	C	155	0.012	-	0.012	-	0.012	-	0.012	0.038			0.038						0.026
East Windsor	School Hill Association, Inc.	CTWC	C	77	0.007	-	0.007	-	0.007	-	0.007	0.013			0.013						0.006
East Windsor	CTWC - Northern Reg-Western System	CTWC	C-Large	4,602	0.315	0.150	0.465	0.092	0.557	-	0.557	2.115	0.040	-	2.155	-	1.435	-	-	0.002	0.163
East Windsor	Hazardville Water Company	Hazardville Water Company	C-Large	41	0.003	0.002	0.005	0.000	0.005	0.002	0.003	-	-	0.040	(0.040)	0.005					(0.038)
East Windsor	Chesters Plaza	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Windsor	Deep - Flaherty Field Trial Area	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Windsor	East Windsor Park Snack Bar	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Windsor	First Congregational Church of E Windsor	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Windsor	Golden Irenes Restaurant	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Windsor	Kingdom Hall of Jehovahs Witnesses	CTWC	NC	90	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Windsor	Mulnite Farms	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Windsor	Bassdale Plaza - Well #1	CTWC	NTNC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Windsor	Sophias Plaza Ii/III	CTWC	NTNC	40	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Ellington	Meadowbrook Apartments, LLC	CTWC	C	60	0.005	-	0.005	-	0.005	-	0.005	0.050			0.050						0.046
Ellington	CTWC - Northern Reg-Western System	CTWC	C-Large	7,348	0.503	0.175	0.678	0.147	0.825	-	0.825	0.270	-	-	0.270	0.555	-	-	-	-	-
Ellington	Crystal Lake Community Methodist Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Ellington	Crystal Lake Plaza	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Ellington	Ellington Ridge Country Club	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Ellington	Luann's Bakery And Cafe	CTWC	NC	60	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Ellington	Rolling Meadows Country Club	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Ellington	Sj Ranch, Inc. (Well #1 - Kitchen)	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Ellington	Sj Ranch, Inc. (Well #2 - Overlook)	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Ellington	Sj Ranch, Inc. (Well #3 - Ranch House)	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Ellington	Crystal Lake School	CTWC	NTNC	275	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Enfield	Shaker Heights Water Company	CTWC	C	172	0.014	-	0.014	-	0.014	-	0.014	0.050			0.050						0.036
Enfield	Connecticut Correctional Institute	CTWC	C-Large	2,768	0.252	0.029	0.281	0.120	0.402	-	0.402	0.650	-	-	0.650	-	-	-	-	-	0.248
Enfield	CTWC - Northern Reg-Western System	CTWC	C-Large	19,598	1.341	0.500	1.841	0.392	2.233	-	2.233	4.695	-	-	4.695	-	0.623	-	-	-	1.839
Enfield	Hazardville Water Company	Hazardville Water Company	C-Large	17,262	1.071	0.200	1.271	0.152	1.423	-	1.423	4.435	-		4.435		0.088				2.924
Enfield	117 Hazard Avenue	Hazardville Water Company	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Enfield	Collins Creamery	Hazardville Water Company	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Enfield	Faith Baptist Church (Well #1)	Hazardville Water Company	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Enfield	Faith Baptist Church (Well #2)	Hazardville Water Company	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Enfield	Grassmere Country Club	Hazardville Water Company	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Enfield	Kingdom Hall of Jehovahs Witness	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Essex	Hemlock Apartments	CTWC	C	72	0.002	-	0.002	-	0.002	-	0.002	0.026			0.026						0.024
Essex	Heritage Cove Condominiums	CTWC	C	208	0.016	-	0.016	-	0.016	-	0.016	0.050			0.050						0.034
Essex	Meadowbrook Manor LLC	CTWC	C	30	0.002	-	0.002	-	0.002	-	0.002	0.010			0.010						0.008
Essex	CTWC - Shoreline Region-Chester System	CTWC	C-Large	2,295	0.139	0.064	0.202	0.034	0.237	-	0.237	0.140	-	-	0.140	0.237					0.140
Essex	Middlesex Medical Center (Essex)	CTWC	NC	40	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Essex	Shoreline Professional Center	CTWC	NC	38	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-

Table B-3: Central PWSMA - Existing Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2015-2016 Residential Demand	2015 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2015-16 Total ADD	Water Sold to Other Utility	2015-16 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Essex	Bolderdash	CTWC	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Essex	Kindercare of Essex	CTWC	NTNC	92	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Essex	L.C. Doane Co.	CTWC	NTNC	74	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Farmington	CTWC - Chimney Hill	CTWC	C	227	0.023	-	0.023	0.015	0.038	-	0.038	-	0.050	-	0.050	-	-	-	-	0.038	0.012
Farmington	Avon Water Co	Avon Water Company	C-Large	541	0.123	0.006	0.129	0.006	0.135	-	0.135	-	-		-	0.135					-
Farmington	CTWC - Unionville System	CTWC	C-Large	13,557	1.299	0.524	1.823	0.115	1.938		1.938	2.505	0.650		3.155					0.764	1.217
Farmington	Metropolitan District Commission	MDC	C-Large	2,955	0.194	0.906	1.100	0.080	1.180	0.802	0.378	-		0.700	(0.700)	1.180					0.102
Farmington	New Britain Water Department	New Britain Water Department	C-Large	904	0.066	0.172	0.238	0.011	0.249	-	0.249	-	-	-	-	0.249	-	-	-	-	-
Farmington	Valley Water Systems, Inc.	CTWC	C-Large	148	0.009	0.004	0.013	0.001	0.014	-	0.014	-	-	-	-	0.014					-
Farmington	1097 Farmington Avenue	CTWC	NC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Farmington	Carol's Lunchbox	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Farmington	Farmington Field Club	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Farmington	Farmington Polo Grounds	CTWC	NC	35	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Farmington	Riverfront Miniature Golf, Inc.	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Farmington	Winding Trails Recreation Assn - Lower	CTWC	NC	207	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Farmington	Winding Trails Recreation Assn - Upper	CTWC	NC	207	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Farmington	Farmington Club	CTWC	NTNC	100	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Glastonbury	Manchester Water Department	Manchester Water Department	C-Large	1,112	0.073	0.013	0.086	0.016	0.103	-	0.103	-	-		-	0.103	-	-	-	-	-
Glastonbury	Metropolitan District Commission	MDC	C-Large	22,703	1.492	1.244	2.736	0.613	3.349	0.447	2.902	-		1.100	(1.100)	3.349					(0.653)
Glastonbury	Dondero Orchards LLC	MDC	NC	29	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Glastonbury	E. Draghi & Sons, LLC	MDC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Glastonbury	Eastbury Pond	MDC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Glastonbury	Glastonbury Elks Club	MDC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Glastonbury	Glastonbury Hills Country Club	MDC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Glastonbury	J.B. Williams Park	MDC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Glastonbury	Robbs Farm LLC	MDC	NC	27	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Glastonbury	Roses Berry Farm	MDC	NC	40	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Glastonbury	Shah Properties LLC.	Manchester Water Department	NC	27	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Glastonbury	Eastbury School	MDC	NTNC	523	-	0.006	0.006	-	0.006		0.006	-	-	-	-	-	-	-	-	-	-
Glastonbury	Glastonbury Vehicle Maint. Garage	MDC	NTNC	41	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Glastonbury	Quality Name Plate	MDC	NTNC	85	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Granby	Aquarion Water Co of CT-Simsbury System	AWC	C-Large	903	0.075	0.020	0.095	0.026	0.121	-	0.121	-	-	-	-	0.121	-	-	-	-	-
Granby	Salmon Brook District Water Dept	AWC	C	934	0.070	0.063	0.133	0.029	0.162		0.162	0.269	-	-	0.269	-	-	-	-	-	0.107
Granby	496 Salmon Brook Street	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	565 Salmon Brook St - Granby	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	Bushy Hill Orchard	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	Granby Commons	AWC	NC	43	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Granby	Granby Motel	AWC	NC	25	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Granby	High Meadow Day Camp LLC	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	Holcomb Farms	AWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Granby	Jehovahs Witnesses	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	Life Church	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	Lost Acres Orchards	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	Old Mill Pond Village	AWC	NC	31	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	Pilgrim Covenant Church	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	St. Therese Roman Catholic Church Corp.	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	The Cambridge House	AWC	NC	40	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	West Granby United Methodist Church	AWC	NC	41	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	1 Salmon Brook Street - Granby	AWC	NTNC	80	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Granby	4 West Granby Road	AWC	NTNC	97	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Granby	First Congregational Church of Granby	AWC	NTNC	40	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	Kelly Lane Intermediate School	AWC	NTNC	357	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Granby	Monrovia Nurseries (Floydville)	AWC	NTNC	80	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Granby	Monrovia Nurseries (Salmon Brook)	AWC	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Granby	Wells Road Intermediate School	AWC	NTNC	405	-	0.006	0.006	-	0.006		0.006	-	-	-	-	-	-	-	-	-	-

Table B-3: Central PWSMA - Existing Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2015-2016 Residential Demand	2015 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2015-16 Total ADD	Water Sold to Other Utility	2015-16 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Guilford	Quonnipaug Hills - Main System	CTWC	C	564	0.042	-	0.042	-	0.042	-	0.042	0.048			0.048						0.005
Guilford	Quonnipaug Hills - Section I	CTWC	C	27	0.002	-	0.002	-	0.002	-	0.002	0.010			0.010						0.008
Guilford	CTWC - Shoreline Region-Guilford System	CTWC	C-Large	10,000	0.573	0.225	0.798	0.195	0.993	-	0.993	0.760	1.000	-	1.760	0.117				0.116	0.884
Guilford	2311 Boston Post Road - Guilford	CTWC	NC	33	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Guilford	Anthonys of Guilford	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Guilford	Bittner Park	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Guilford	Lake Quonnipaug	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Guilford	New Haven Sportsman's Club Inc.	CTWC	NC	50	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Guilford	St Johns Episcopal Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Guilford	The Little Store	CTWC	NC	31	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Guilford	Guilford Veterinary Hospital	CTWC	NTNC	33	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Guilford	Melissa Jones School	CTWC	NTNC	484	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Guilford	North Guilford Congregational Church	CTWC	NTNC	40	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Guilford	Todays Plaza, LLC	CTWC	NTNC	54	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	High Meadow	CTWC	C	38	0.003	-	0.003	-	0.003	-	0.003	0.011			0.011						0.008
Haddam	Saybrook At Haddam	CTWC	C	155	0.012	-	0.012	-	0.012	-	0.012	0.019			0.019						0.008
Haddam	106 Bridge Road - Haddam	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	1564 Saybrook Road	CTWC	NC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	201 Saybrook Road	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	40 Saybrook Road	CTWC	NC	27	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	986 Killingworth Rd Plaza	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Brainard Memorial Library	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Camp Bethel	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Dinos Pizza Restaurant	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Gas Plus	CTWC	NC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Haddam Commons	CTWC	NC	200	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Haddam Meadows S.P.	CTWC	NC	780	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Haddam	Haddam Neck Congregational Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Haddam Neck Fair Hall	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Haddam Restaurant	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Haddam Senior Center	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Haddam Town Office Building	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Haddam Volunteer Fire Station #1	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Higganum Congregational Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Higgies Food And Ice Cream, LLC	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Little City Campground	CTWC	NC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Middlesex Extension Services	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Saybrook Road LLC	CTWC	NC	27	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	St Peters Church	CTWC	NC	26	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	The Blue Oar	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	The Haddam Neck Fair Association, Inc.	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	The Riverhouse At Goodspeed Station	CTWC	NC	304	-	0.009	0.009	-	0.009		0.009	-	-	-	-	-	-	-	-	-	-
Haddam	Three Oaks Plaza	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Tylerville Village 1	CTWC	NC	35	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Tylerville Village 2	CTWC	NC	35	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Veselak LLC	CTWC	NC	31	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	95 Bridge Road - Haddam	CTWC	NTNC	65	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Burr District Elementary School	CTWC	NTNC	528	-	0.006	0.006	-	0.006		0.006	-	-	-	-	-	-	-	-	-	-
Haddam	First Congregational Church of Haddam	CTWC	NTNC	61	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Haddam Elementary School	CTWC	NTNC	350	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Haddam	Haddam-Killingworth High School	CTWC	NTNC	850	-	0.015	0.015	-	0.015		0.015	-	-	-	-	-	-	-	-	-	-
Haddam	Village Shopping Center	CTWC	NTNC	32	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Young Horizons Daycare	CTWC	NTNC	60	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Hamden	SCCRWA	SCCRWA	C-Large	55,440	2.883	2.104	4.986	0.616	5.603	-	5.603	13.100			13.100		0.001				7.496
Hamden	Brooksvale Park - Field House	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hamden	Brooksvale Park-Veterans' Memorial Bldg	SCCRWA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Hamden	Church of The Ascension	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hamden	YMCA - Camp Mountain Laurel	SCCRWA	NC	180	-	0.009	0.009	-	0.009		0.009	-	-	-	-	-	-	-	-	-	-
Hamden	The Carrot Patch	SCCRWA	NTNC	52	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Hartford	Metropolitan District Commission	MDC	C-Large	124,898	8.209	4.384	12.592	3.374	15.967	-	15.967	-			-	36.104	20.137				-

Table B-3: Central PWSMA - Existing Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2015-2016 Residential Demand	2015 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2015-16 Total ADD	Water Sold to Other Utility	2015-16 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Hebron	Abby Water LLC	CTWC	C	100	0.008	-	0.008	-	0.008	-	0.008	0.027			0.027						0.020
Hebron	CTWC - Amston Lake Division	CTWC	C	910	0.028	-	0.028	-	0.028	-	0.028	0.044			0.044						0.016
Hebron	CTWC - Country Manor Apartments	CTWC	C	72	0.003	-	0.003	-	0.003	-	0.003	0.027			0.027						0.024
Hebron	CTWC - London Park Division	CTWC	C	221	0.008	-	0.008	0.001	0.010	-	0.010	0.050			0.050						0.040
Hebron	CTWC - Mill At Stonecroft Div	CTWC	C	127	0.008	-	0.008	-	0.008	-	0.008	0.036			0.036						0.027
Hebron	CTWC - Wellswood Village Div	CTWC	C	60	0.003	-	0.003	-	0.003	-	0.003	0.016			0.016						0.013
Hebron	Hebron Arms Apartments	CTWC	C	39	0.001	-	0.001	-	0.001	-	0.001	0.019			0.019						0.018
Hebron	Hillside Condominiums	CTWC	C	96	0.003	-	0.003	-	0.003	-	0.003	0.050			0.050						0.047
Hebron	Wellswood Estates Foundation, Inc.	CTWC	C	112	0.008	-	0.008	-	0.008	-	0.008	0.022			0.022						0.013
Hebron	CTWC - Hebron Center Division	CTWC	C	235	0.012	0.018	0.030	0.001	0.031	-	0.031	0.050	-	-	0.050	-	-	-	-	-	0.019
Hebron	Blackledge Country Club	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Hebron	Blackledge East LLC	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hebron	Camp Hemlocks - Easter Seals (Core Well)	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Hebron	Church of The Holy Family	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hebron	Gay City State Park/Picnic Area Well	CTWC	NC	33	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hebron	Gilead Congregational Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hebron	Hebron Church of Hope	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hebron	Mary & Allies Restaurant	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Hebron	Paradise Farms Plaza	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hebron	St. Peters Episcopal Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hebron	Tallwood Country Club	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Hebron	Town of Hebron East Street Park	CTWC	NC	37	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hebron	Town Office Buildings	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Hebron	Twin Lakes Cafe	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hebron	CTWC - Christ Lutheran Church	CTWC	NTNC	128	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hebron	Gilead Hill School	CTWC	NTNC	391	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Hebron	Hebron Elementary School	CTWC	NTNC	475	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Hebron	Plaza Shopping Center	CTWC	NTNC	80	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	CTWC - Jensens Beechwood System	CTWC	C	750	0.030	-	0.030	-	0.030	-	0.030	0.050			0.050						0.020
Killingworth	M&M Realty Holdings LLC	CTWC	C	32	0.002	-	0.002	-	0.002	-	0.002	0.050			0.050						0.048
Killingworth	163 Route 81	CTWC	NC	35	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	177 Route 81	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	183 Route 81 LLC	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	206 Route 80	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	260 Route 80 - Killingworth	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	Chatfield Hollow S.P./Main Well	CTWC	NC	667	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Killingworth	Chatfield Hollow S.P./Shop Well	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	Country Squire Shoppes And Restaurant	CTWC	NC	31	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Killingworth	Deer Lake Scout Res.-Dining Hall Well 2	CTWC	NC	300	-	0.015	0.015	-	0.015		0.015	-	-	-	-	-	-	-	-	-	-
Killingworth	Deer Lake Scout Reservation	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Killingworth	Deer Lake Scout Reservation - Well 3	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Killingworth	Killingworth Cafe # 249	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	Killingworth Country Market	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Killingworth	Killingworth Library	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	Killingworth Town Hall	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Killingworth	Killingworth Village Center	CTWC	NC	27	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	Parmelee Farms	CTWC	NC	29	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	Sheldon Field	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	St Lawrence Church (Well 2)	CTWC	NC	26	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	St. Lawrence Church (Rec Hall) Well 1	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	The Cooking Company - Killingworth	CTWC	NC	37	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	Haddam Killingworth Inter/Middle School	CTWC	NTNC	874	-	0.013	0.013	-	0.013		0.013	-	-	-	-	-	-	-	-	-	-
Killingworth	Killingworth Congregational Church	CTWC	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Killingworth	Killingworth Elementary School	CTWC	NTNC	543	-	0.006	0.006	-	0.006		0.006	-	-	-	-	-	-	-	-	-	-
Killingworth	Killingworth Kids Center	CTWC	NTNC	64	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-

Table B-3: Central PWSMA - Existing Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2015-2016 Residential Demand	2015 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2015-16 Total ADD	Water Sold to Other Utility	2015-16 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Lyme	1 Ferry Road	Town of Lyme	NC	35	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Lyme	Camp Claire, Inc.	Town of Lyme	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Lyme	Lyme Consolidated School	Town of Lyme	NTNC	205	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Madison	CTWC - Green Springs System	CTWC	C	104	0.004	-	0.004	0.000	0.004	-	0.004	0.028			0.028						0.024
Madison	CTWC - Legend Hill System	CTWC	C	247	0.009	0.004	0.013	0.001	0.014		0.014	0.050			0.050						0.036
Madison	CTWC - Shoreline Region-Guilford System	CTWC	C-Large	8,000	0.459	0.180	0.638	0.156	0.794	-	0.794	-	-	-	-	0.911	0.117				-
Madison	Camp Laurelwood	CTWC	NC	400	-	0.020	0.020	-	0.020		0.020	-	-	-	-	-	-	-	-	-	-
Madison	Christ Chapel	CTWC	NC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Madison	Church of Latter Day Saints, Madison	CTWC	NC	172	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Madison	Circle Pizza	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Madison	Kleins Golf Range	CTWC	NC	31	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Madison	1 Orchard Park Industrial Area	CTWC	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Madison	15 Orchard Park Industrial Area	CTWC	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Madison	227 Horse Pond Road - Madison	CTWC	NTNC	55	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Madison	Educational Playcare Ltd	CTWC	NTNC	73	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Madison	Madison Commons	CTWC	NTNC	28	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Madison	North Madison Congregational Church	CTWC	NTNC	35	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Madison	North Madison Shopping Center	CTWC	NTNC	60	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Madison	Orchard Park Ind. Area - 50 Mungertown	CTWC	NTNC	40	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Madison	St. Andrews Episcopal Church	CTWC	NTNC	40	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Madison	Summer Hill Nurseries	CTWC	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Madison	Temple Beth Tikvah	CTWC	NTNC	170	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Madison	The Country School, Inc.	CTWC	NTNC	360	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Madison	The Learning Tree of Madison, LLC	CTWC	NTNC	61	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Manchester	CTWC - Redwood Farms Division	Manchester Water Department	C	424	0.015	-	0.015	0.000	0.015	-	0.015	0.050			0.050			0.000			0.035
Manchester	CTWC - Northern Reg-Western System	CTWC	C-Large	0	-	0.003	0.003	-	0.003	-	0.003	-	-	-	-	0.003	-	-	-	-	-
Manchester	Manchester Water Department	Manchester Water Department	C-Large	53,183	3.510	0.545	4.055	0.772	4.827	0.005	4.822	9.179	-	0.007	9.172	-	0.113	-	-	-	4.237
Manchester	Metropolitan District Commission	MDC	C-Large	950	0.062	-	0.062	0.026	0.088	-	0.088	-			-	0.088					-
Manchester	622 Middle Turnpike East	Manchester Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Manchester	801A Hartford Road	Manchester Water Department	NC	33	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Manchester	Girl Scouts of CT - Camp Merrie-Wood	Manchester Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Manchester	Manchester Cong. of Jehovahs Witnesses	Manchester Water Department	NC	222	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Manchester	Unitarian Universalist Church	Manchester Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Manchester	Birch Mountain Day School	Manchester Water Department	NTNC	83	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Manchester	CTWC - Buckland Road Service Area	Manchester Water Department	NTNC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Manchester	Elisabeth M. Bennet Academy	Manchester Water Department	NTNC	536	-	0.008	0.008	-	0.008		0.008	-	-	-	-	-	-	-	-	-	-
Manchester	Manchester Packing Company, Inc.	Manchester Water Department	NTNC	34	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Manchester	Shady Glen Restaurant	Manchester Water Department	NTNC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Mansfield	Ah 2 LLC (formerly Woods Edge Apartments, LLC)	CTWC	C	96	0.004	-	0.004	-	0.004	-	0.004	0.019			0.019						0.016
Mansfield	Aquarion Water Co of CT-Valley View	AWC	C	131	0.006	-	0.006	0.000	0.006	-	0.006	0.013			0.013						0.007
Mansfield	Carriage House Apartments	CTWC	C	196	0.015	-	0.015	-	0.015	-	0.015	0.050			0.050						0.035
Mansfield	Club House Apartments	CTWC	C	115	0.009	-	0.009	-	0.009	-	0.009	0.014			0.014						0.005
Mansfield	CTWC - Birchwood Heights	CTWC	C	76	0.002	-	0.002	0.000	0.002	-	0.002	0.015			0.015						0.013
Mansfield	CTWC - Crystal Springs Div.	CTWC	C	169	0.006	-	0.006	-	0.006	-	0.006	0.021			0.021						0.015
Mansfield	CTWC - Pinewoods Lane Div	Windham Water Works	C	68	0.001	-	0.001	-	0.001	-	0.001	0.019			0.019						0.018
Mansfield	Hunting Lodge Apartments	CTWC	C	115	0.009	-	0.009	-	0.009	-	0.009	0.035			0.035						0.026
Mansfield	Knollwood Acres Apartments	CTWC	C	312	0.023	-	0.023	-	0.023	-	0.023	0.050			0.050						0.027

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Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2015-2016 Residential Demand	2015 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2015-16 Total ADD	Water Sold to Other Utility	2015-16 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Mansfield	Mansfield Village, LLC	CTWC	C	40	0.002	-	0.002	-	0.002	-	0.002	0.010			0.010						0.009
Mansfield	Maplewood Apartments	CTWC	C	153	0.011	-	0.011	-	0.011	-	0.011	0.025			0.025						0.013
Mansfield	Orchard Acres Association	CTWC	C	176	0.013	-	0.013	-	0.013	-	0.013	0.032			0.032						0.019
Mansfield	Renwood Apartments	CTWC	C	190	0.014	-	0.014	-	0.014	-	0.014	0.050			0.050						0.036
Mansfield	Rockridge Condominiums	CTWC	C	144	0.011	-	0.011	-	0.011	-	0.011	0.050			0.050						0.039
Mansfield	White Oak Condominiums	CTWC	C	192	0.014	-	0.014	-	0.014	-	0.014	0.037			0.037						0.022
Mansfield	CTWC - Northern Reg-Western System	CTWC	C-Large	1,272	0.087	0.101	0.188	0.025	0.214	-	0.214	-	-	1.500	(1.500)	0.214	-	-	-	0.150	(1.500)
Mansfield	University of Connecticut - Main Campus	Stage Agency Existing Service Area (UConn)	C-Large	12,699	0.415	0.627	1.042	-	1.042	0.150	0.892	1.480	1.500	-	2.980	-	-	-	-	-	2.088
Mansfield	Windham Water Works	Windham Water Works	C-Large	2437	0.125	0.050	0.175	0.026	0.201	-	0.201	4.100	-	-	4.100	-	1.929	-	-	-	1.970
Mansfield	1768 Storrs Road	CTWC	NC	42	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	1St Baptist Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	452 Stafford Road - The Deli Club	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	466 Storrs Rd	Windham Water Works	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	603 Middle Turnpike - Mansfield	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	847 Stafford Road	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	873 Stafford Road - Mansfield	CTWC	NC	32	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Bicentennial Park	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Camp Holiday Hill	CTWC	NC	132	-	0.007	0.007	-	0.007		0.007	-	-	-	-	-	-	-	-	-	-
Mansfield	Coyote Flaco	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Mansfield	Cumberland Farms	CTWC	NC	33	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	First Church of Christ In Mansfield	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Holiday Mall	CTWC	NC	45	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Lions Park	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Lucky Strike Lanes, Inc.	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Mansfield Drive-In	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Mansfield Library Buchanan Center	Windham Water Works	NC	217	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Mansfield	Mansfield Marketplace	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Mansfield X-Tra Mart	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Public America/Mansfield Aquasition	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Red Barn Creamery	CTWC	NC	28	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Spring Hill Cafe LLC	CTWC	NC	72	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Thompsons General Store	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Mansfield	Toast Four Corners	CTWC	NC	316	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Mansfield	Annie E. Vinton School	CTWC	NTNC	313	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Mansfield	Community Childrens Center Inc.	CTWC	NTNC	52	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Mansfield	Goodwin Elementary School	CTWC	NTNC	340	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Mansfield	Mansfield Middle School	CTWC	NTNC	715	-	0.011	0.011	-	0.011		0.011	-	-	-	-	-	-	-	-	-	-
Mansfield	Mansfield Professional Park	CTWC	NTNC	100	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Mansfield	Mansfield Shopping Center	CTWC	NTNC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Mount Hope Montessori School	Windham Water Works	NTNC	88	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Mansfield	Oak Grove Montessori School	Windham Water Works	NTNC	77	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Mansfield	Perkins Corner	CTWC	NTNC	45	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Mansfield	Southeast School	Windham Water Works	NTNC	311	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Marlborough	Aquarion Water Co of CT-Birchwood Estate	Town of Marlborough	C	251	0.012	-	0.012	0.011	0.023	-	0.023	0.010			0.010						(0.014)
Marlborough	CTWC - Florence Lord (Mash)	Town of Marlborough	C	30	0.001	-	0.001	-	0.001	-	0.001	0.034			0.034						0.033
Marlborough	CTWC - Forest Homes Division	Town of Marlborough	C	100	0.005	-	0.005	-	0.005	-	0.005	0.005			0.005						0.001
Marlborough	CTWC - Marlborough Gardens	Town of Marlborough	C	110	0.004	-	0.004	-	0.004	-	0.004	0.024			0.024						0.020
Marlborough	CTWC - Sachem Village Condo	Town of Marlborough	C	166	0.005	-	0.005	0.001	0.006	-	0.006	0.050			0.050						0.044
Marlborough	Hillside Corporation	Town of Marlborough	C	136	0.010	-	0.010	-	0.010	-	0.010	0.018			0.018						0.008

Table B-3: Central PWSMA - Existing Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2015-2016 Residential Demand	2015 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2015-16 Total ADD	Water Sold to Other Utility	2015-16 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Marlborough	Laurel Hill Water Association	Town of Marlborough	C	86	0.006	-	0.006	-	0.006	-	0.006	0.024			0.024						0.017
Marlborough	Marlborough Health Care Center, Inc	Town of Marlborough	C	165	0.012	-	0.012	-	0.012	-	0.012	0.028			0.028						0.016
Marlborough	17 North Main Street	Town of Marlborough	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Marlborough	American Legion Post 197	Town of Marlborough	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	Deep Eastern District Headquarters	Town of Marlborough	NC	53	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	Fellowship Community Church	Town of Marlborough	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Marlborough	Hartford County 4-H Camp	Town of Marlborough	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	J&S Enterprise LLC	Town of Marlborough	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Marlborough	Jessica's Garden	Town of Marlborough	NC	36	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	Liberty Bank	Town of Marlborough	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Marlborough	Marlborough Country Barn# 1	Town of Marlborough	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Marlborough	Marlborough Country Barn# 2	Town of Marlborough	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Marlborough	Marlborough Pizza Restaurant	Town of Marlborough	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	Marlborough Professional Center	Town of Marlborough	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	Marlborough Town Hall	Town of Marlborough	NC	38	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	St John Fisher Church	Town of Marlborough	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Marlborough	The Farm At Carter Hill	Town of Marlborough	NC	31	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Marlborough	Discovery Learning Center	Town of Marlborough	NTNC	70	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	Kids Club Child Care&Nursery Sch Ctr LLC	Town of Marlborough	NTNC	44	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Marlborough	Marlborough Congregational Church	Town of Marlborough	NTNC	97	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	Marlborough Municipal Water System	Town of Marlborough	NTNC	963	-	0.007	0.007	-	0.007		0.007	-	-	-	-	-	-	-	-	-	-
Marlborough	Middlesex Hosp. Marlborough Medical Ctr.	Town of Marlborough	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	Schneider Electric Motion USA	Town of Marlborough	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	The Diversified Group	Town of Marlborough	NTNC	65	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Meriden	Meriden Water Division	Meriden Water Division	C-Large	59,409	3.267	0.843	4.110	0.964	5.074	0.002	5.072	6.110	-	-	6.110	3.316	0.035	-	-	-	4.319
Meriden	New Life Church, Inc.	Meriden Water Division	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Meriden	The Meriden YMCA Outdoor Center	Meriden Water Division	NC	100	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Meriden	The Meriden YMCA Outdoor Center - Well 3	Meriden Water Division	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middlefield	Bittersweet Ridge Water Association	Town of Middlefield	C	40	0.003	-	0.003	-	0.003	-	0.003	0.010			0.010						0.007
Middlefield	Lakeview Estates	Town of Middlefield	C	78	0.006	-	0.006	-	0.006	-	0.006	0.050			0.050						0.044
Middlefield	Middlefield Housing Authority	Town of Middlefield	C	62	0.005	-	0.005	-	0.005	-	0.005	0.009			0.009						0.004
Middlefield	Old Indian Trail	Town of Middlefield	C	32	0.002	-	0.002	-	0.002	-	0.002	0.013			0.013						0.011
Middlefield	Reja - Rainbow Spring Water Company	Town of Middlefield	C	11	0.003	-	0.003	-	0.003	-	0.003	0.050			0.050						0.047
Middlefield	Sylvan Ridge Condominiums	Town of Middlefield	C	84	0.006	-	0.006	-	0.006	-	0.006	0.039			0.039						0.033
Middlefield	Middletown Water Department	Town of Middlefield	C-Large	20	0.001	0.025	0.027	0.003	0.030	-	0.030	-	-	0.220	(0.220)	0.030	-	-	-	-	(0.220)
Middlefield	108 Main Street	Town of Middlefield	NC	29	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middlefield	144 Meriden Rd	Town of Middlefield	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-

Table B-3: Central PWSMA - Existing Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2015-2016 Residential Demand	2015 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2015-16 Total ADD	Water Sold to Other Utility	2015-16 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Middlefield	Calvi Building	Town of Middlefield	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middlefield	Coginchaug Market	Town of Middlefield	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Middlefield	Golf Center At Lyman Orchards	Town of Middlefield	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middlefield	Guidas Drive-In Restaurant	Town of Middlefield	NC	40	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Middlefield	Indian Spring Golf Course	Town of Middlefield	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Middlefield	Levi Coe Library	Town of Middlefield	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middlefield	Lyman Orchards - Labor Camp	Town of Middlefield	NC	45	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Middlefield	Middlefield Administration Bldg	Town of Middlefield	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Middlefield	Middlefield Community Center & Firehouse	Town of Middlefield	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Middlefield	Peckham Park	Town of Middlefield	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middlefield	Red Dog Saloon	Town of Middlefield	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middlefield	Rovers Lodge	Town of Middlefield	NC	25	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Middlefield	St. Colman Church	Town of Middlefield	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middlefield	Victory Tabernacle Church	Town of Middlefield	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middlefield	Wadsworth Falls/Bathroom Well	Town of Middlefield	NC	527	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Middlefield	6 Way Road	Town of Middlefield	NTNC	78	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Middlefield	Cooper-Atkins Corp	Town of Middlefield	NTNC	86	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Middlefield	John Lyman School	Town of Middlefield	NTNC	285	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Middlefield	Lyman Orchard Country Farms Complex	Town of Middlefield	NTNC	84	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Middlefield	Memorial Middle School	Town of Middlefield	NTNC	359	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Middlefield	Middlefield Federated Church	Town of Middlefield	NTNC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middlefield	Powder Ridge Ski Lodge-Main Bldg	Town of Middlefield	NTNC	100	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Middlefield	The Independent Day School	Town of Middlefield	NTNC	199	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Middlefield	The Rogers Manufacturing Company	Town of Middlefield	NTNC	100	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Middletown	Berlin Water Control Commission	Middletown Water Department	C-Large	15	0.001	-	0.001	-	0.001	-	0.001	-			-	0.001					-
Middletown	Connecticut Valley Hospital	Stage Agency Existing Service Area (CVH)	C-Large	816	0.072	0.229	0.301	-	0.301	-	0.301	0.693	-	-	0.693	-	-	-	-	-	0.392
Middletown	Meriden Water Division	Middletown Water Department	C-Large	10	0.001	-	0.001	0.000	0.001	-	0.001	-	-	-	-	0.001	-	-	-	-	-
Middletown	Middletown Water Department	Middletown Water Department	C-Large	43,362	2.775	0.429	3.204	0.396	3.600	-	3.600	7.254	-	-	7.254	-	0.030	-	-	-	3.624
Middletown	Coyote Blue Restaurant	Middletown Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Middletown	Italian American Civic Order, Inc	Middletown Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Middletown	Middletown DOT Rest Area (I-91 North)	Middletown Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middletown	Miner Hills Family Golf LLC	Middletown Water Department	NC	29	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middletown	Ron McCutcheon Park	Middletown Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middletown	Kleen Energy Systems Inc	Middletown Water Department	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Middletown	NRG Middletown Operations	Middletown Water Department	NTNC	140	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Middletown	Pratt & Whitney	Middletown Water Department	NTNC	2,800	-	0.070	0.070	-	0.070		0.070	-	-	-	-	-	-	-	-	-	-
Milford	SCCRWA	SCCRWA	C-Large	53,115	2.762	2.015	4.777	0.590	5.368	-	5.368	-			-	5.368					-
Milford	Christ Redeemer Church	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Milford	Pickles Country Store & Deli	SCCRWA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
New Britain	New Britain Water Department	New Britain Water Department	C-Large	71,542	5.223	3.509	8.732	0.364	9.096	1.727	7.369	12.640	5.000	2.310	15.330	-	0.354	-	-	-	7.607
New Haven	SCCRWA	SCCRWA	C-Large	127,338	6.622	4.832	11.453	1.416	12.869	-	12.869	-			-	24.589	11.721				-
Newington	Metropolitan District Commission	MDC	C-Large	27,903	1.834	0.979	2.813	0.754	3.567	-	3.567	-		0.500	(0.500)	3.582	0.015				(0.500)
Newington	New Britain Water Department	New Britain Water Department	C-Large	876	0.064	0.018	0.081	0.004	0.085	-	0.085	-	-	-	-	0.085	-	-	-	-	-
Newington	Gospel Hall	MDC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Newington	Hi-View Motel	MDC	NC	25	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Newington	Newington Va Medical Center-Bldgs 3 & 42	MDC	NC	43	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Newington	Newington Va Medical Center-Building 1	MDC	NTNC	110	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-

Table B-3: Central PWSMA - Existing Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2015-2016 Residential Demand	2015 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2015-16 Total ADD	Water Sold to Other Utility	2015-16 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Newington	Newington Va Medical Center-Building 2C	MDC	NTNC	80	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Newington	Newington Va Medical Center-Building 2E	MDC	NTNC	335	-	0.007	0.007	-	0.007		0.007	-	-	-	-	-	-	-	-	-	-
North Branford	Blue Trails Water Association	SCCRWA	C	228	0.017	-	0.017	-	0.017	-	0.017	0.041			0.041						0.024
North Branford	Northford Glen Condominium Association	SCCRWA	C	84	0.006	-	0.006	-	0.006	-	0.006	0.050			0.050						0.044
North Branford	SCCRWA	SCCRWA	C-Large	5,159	0.268	0.196	0.464	0.057	0.521	-	0.521	35.000			35.000		20.557				13.921
North Branford	1409 Middletown Av. (Wells Fargo Bank)	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	1872 Middletown Avenue	SCCRWA	NC	29	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	1874 Middletown Avenue	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	531 Forest Road - N. Branford	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	Eventus Catering	SCCRWA	NC	44	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
North Branford	Joseph Diglio Properties	SCCRWA	NC	45	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	Mobil Station/Northford Foodmart	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	Northford Congregational Church	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	Northford Plaza Realty Group	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	Northford Shopping Center	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	Rite Aid	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	Rosabianca Vineyards	SCCRWA	NC	36	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
North Branford	Saint Ambrose Parish Corporation	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	5 Ardsley Avenue	SCCRWA	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
North Branford	Tilcon Connecticut Inc. - North Branford	SCCRWA	NTNC	38	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
North Haven	SCCRWA	SCCRWA	C-Large	21,160	1.100	0.803	1.903	0.235	2.138	-	2.138	-			-	2.138					-
North Haven	Pond Hill Baptist Church	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Haven	The Only Game In Town	SCCRWA	NC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Boxwood Condominium Association	CTWC	C	28	0.002	-	0.002	-	0.002	-	0.002	0.011			0.011						0.009
Old Lyme	Chadwick Homeowners Assn., Inc.	CTWC	C	292	0.022	-	0.022	-	0.022	-	0.022	0.050			0.050						0.028
Old Lyme	Laurel Heights Association, Inc.	CTWC	C	45	0.003	-	0.003	-	0.003	-	0.003	0.009			0.009						0.005
Old Lyme	Lyme Academy Apartments,LLC	CTWC	C	48	0.004	-	0.004	-	0.004	-	0.004	0.050			0.050						0.046
Old Lyme	Lyme Regis, Inc.	CTWC	C	32	0.002	-	0.002	-	0.002	-	0.002	0.009			0.009						0.007
Old Lyme	Lymewood Elderly Housing	CTWC	C	50	0.004	-	0.004	-	0.004	-	0.004	0.050			0.050						0.046
Old Lyme	Miami Beach Water Company	CTWC	C	440	0.033	-	0.033	-	0.033	-	0.033	0.050			0.050						0.017
Old Lyme	Mile Creek Apartments	CTWC	C	60	0.005	-	0.005	-	0.005	-	0.005	0.014			0.014						0.010
Old Lyme	Rye Field Manor Elderly Housing	CTWC	C	78	0.006	-	0.006	-	0.006	-	0.006	0.016			0.016						0.010
Old Lyme	CTWC - Shoreline Region-Point O Woods	CTWC	C-Large	926	0.031	0.000	0.032	0.019	0.051	-	0.051	0.111	-	-	0.111	-	-	-	-	-	0.060
Old Lyme	CTWC - Shoreline Region-Sound View	CTWC	C-Large	1,780	0.047	0.006	0.053	0.003	0.056	-	0.056	0.162	-	-	0.162	-	-	-	-	-	0.106
Old Lyme	34 Lyme Street	CTWC	NC	35	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	64-68 Lyme Street	CTWC	NC	36	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	85 Halls Road	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	A. C. Peterson's Drive-In	CTWC	NC	33	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Advanced Family Dentistry of Old Lyme	CTWC	NC	31	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	All Pro Automotive	CTWC	NC	35	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Bee & Thistle Inn	CTWC	NC	25	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Old Lyme	Black Hall Club	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Church of Christ The King	CTWC	NC	305	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	First Congregational Church of Old Lyme	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Florence Griswold Museum	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Graybill Properties, LLC	CTWC	NC	35	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Hains Park	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	High Hopes Therapeutic Riding Inc	CTWC	NC	44	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Jia Mei LLC	CTWC	NC	42	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Laysville Center Stores	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Lyme Art Association	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Lymes' Senior Ctr/Town Woods Park	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Old Lyme Country Club House	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Old Lyme Country Club- Pool Cabana	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-

Table B-3: Central PWSMA - Existing Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2015-2016 Residential Demand	2015 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2015-16 Total ADD	Water Sold to Other Utility	2015-16 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Old Lyme	Old Lyme Country Club- Tennis Court	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Old Lyme Inn	CTWC	NC	45	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Old Lyme	Old Lyme Library	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Old Lyme Pizza Palace Inc.	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Saint Anns Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Stellas	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	The Village Shops	CTWC	NC	33	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Deep Marine Headquarters	CTWC	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Eastport - West	CTWC	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Eastport - West 2	CTWC	NTNC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Eastport, LLC	CTWC	NTNC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Eastport-North	CTWC	NTNC	100	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Old Lyme	Learn	CTWC	NTNC	53	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Lyme Academy of Fine Arts	CTWC	NTNC	300	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Old Lyme	Old Lyme Childrens Learning Center, Inc	CTWC	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Old Lyme Marketplace	CTWC	NTNC	70	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Old Lyme Shopping Center	CTWC	NTNC	100	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Region 18 Schools - Lyme Street	CTWC	NTNC	1,102	-	0.020	0.020	-	0.020		0.020	-	-	-	-	-	-	-	-	-	-
Old Saybrook	CTWC - Shoreline Region-Guilford System	CTWC	C-Large	8,117	0.465	0.183	0.648	0.158	0.806	-	0.806	-	-	-	-	0.806					-
Old Saybrook	732 Middlesex Turnpike	CTWC	NC	200	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Saybrook	Old Saybrook VFW	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Saybrook	Pasta Vita	CTWC	NC	49	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Orange	SCCRWA	SCCRWA	C-Large	10,448	0.543	0.396	0.940	0.116	1.056	-	1.056	-			-	6.424	5.368				-
Orange	Cedarwood Professional Associates	SCCRWA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Plainville	Valley Water Systems, Inc.	Valley Water Systerms	C-Large	16,376	0.983	0.432	1.414	0.095	1.509	-	1.509	3.570	0.200	-	3.770		0.084		0.001	0.000	2.176
Plainville	Asia Darbar	Valley Water Systerms	NC	35	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Plainville	Valley W.S. North Mountain Pump Station	Valley Water Systerms	NTNC	0	-	0.001	0.001	-	0.001	-	0.001	-	-	-	-	-	-	0.001	-	0.001	-
Portland	CTWC - Rivercrest Division	Portland Water Department	C	88	0.002	-	0.002	-	0.002	-	0.002	0.050			0.050						0.048
Portland	Riverdale Properties, Inc.	Portland Water Department	C	96	0.007	-	0.007	-	0.007	-	0.007	0.050			0.050						0.043
Portland	Portland Water Department	Portland Water Department	C-Large	4,200	0.460	0.135	0.595	0.070	0.665	-	0.665	0.300	1.100	-	1.400	-	-	-	-	0.447	0.735
Portland	860 Portland Cobalt Road	Portland Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Portland	Axelrod Tire And Service Center	Portland Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Portland	Cove View Plaza	Portland Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Portland	Eggs Up Grill	Portland Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Portland	Portland Citgo	Portland Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Portland	St. Clements Estate- Banquet Hall System	Portland Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Portland	St. Clements Estate- Castle System	Portland Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Portland	Winchester Cafe	Portland Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Portland	Childrens Lighthouse Childcare	Portland Water Department	NTNC	36	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Rocky Hill	Metropolitan District Commission	MDC	C-Large	17,481	1.149	0.614	1.762	0.472	2.235	-	2.235	-			-	2.238	0.003				(0.000)
Simsbury	Ethel Walker School	AWC	C	325	0.024	-	0.024	-	0.024	-	0.024	0.050			0.050						0.026
Simsbury	Aquarion Water Co of CT-Simsbury System	AWC	C-Large	14,019	1.171	0.310	1.481	0.396	1.877	-	1.877	4.908	-	-	4.908	-	0.149	-	-	-	2.882
Simsbury	Avon Water Co	Avon Water Company	C-Large	423	0.035	0.159	0.194	0.009	0.203	-	0.203	-	-		-	0.203					-
Simsbury	Tariffville Fire District Water Dept	AWC	C-Large	1,371	0.082	0.016	0.098	0.009	0.107	-	0.107	0.252	-	-	0.252	-	-	-	-	-	0.145
Simsbury	1610-1616 Hopmeadow Street	AWC	NC	31	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-

Table B-3: Central PWSMA - Existing Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2015-2016 Residential Demand	2015 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2015-16 Total ADD	Water Sold to Other Utility	2015-16 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Simsbury	Shepherd of The Hills Lutheran Church	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Simsbury	Talcott Mountain S.P.	AWC	NC	793	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Simsbury	Tower Ridge Country Club	AWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Simsbury	The Masters School	AWC	NTNC	372	-	0.006	0.006	-	0.006		0.006	-	-	-	-	-	-	-	-	-	-
Somers	Hazardville - Rye Hill System	Hazardville Water Company	C	352	0.025	-	0.025	0.003	0.028	-	0.028	-	0.100		0.100					0.028	0.072
Somers	Connecticut Correctional Institute	CTWC	C-Large	2,603	0.237	0.028	0.265	0.113	0.378	-	0.378	0.650	-	-	0.650	-	-	-	-	-	0.272
Somers	CTWC - Northern Reg-Western System	CTWC	C-Large	1,224	0.084	0.050	0.134	0.025	0.158	0.028	0.130	0.173	-	0.100	0.073	0.057	-	-	-	-	-
Somers	Hazardville Water Company	Hazardville Water Company	C-Large	1,007	0.062	0.012	0.074	0.009	0.083	-	0.083	-	-		-	0.083					-
Somers	Cedar Knob Golf Course	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Somers	Pleasant View Golf Ctr.	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Somers	Worthington Pond Farm	Hazardville Water Company	NC	262	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Somers	Grower Direct Farms Inc	Hazardville Water Company	NTNC	160	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Somers	Northfield Commons Association	CTWC	NTNC	80	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
South Windsor	CTWC - Northern Reg-Western System	CTWC	C-Large	12,250	0.838	0.350	1.188	0.245	1.434	-	1.434	0.368	-	-	0.368	1.066	-	-	-	-	-
South Windsor	Manchester Water Department	Manchester Water Department	C-Large	60	0.004	-	0.004	0.001	0.005	-	0.005	-	-		-	0.005	-	-	-	-	-
South Windsor	Metropolitan District Commission	MDC	C-Large	9,977	0.656	0.350	1.006	0.270	1.275	-	1.275	-			-	1.275					-
South Windsor	Fairway Miniature Golf And Batting Cages	MDC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
South Windsor	Messiah Lutheran Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
South Windsor	Learning Center, LLC.	MDC	NTNC	61	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
South Windsor	Mitchell Associates	CTWC	NTNC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Southington	Apple Valley Village	Southington Water Department	C	70	0.007	-	0.007	-	0.007	-	0.007	0.050			0.050						0.044
Southington	Meriden Water Division	Southington Water Department	C-Large	118	0.006	-	0.006	0.001	0.008	-	0.008	-	-	-	-	0.008	-	-	-	-	-
Southington	New Britain Water Department	New Britain Water Department	C-Large	0	-	0.001	0.001	0.000	0.001	-	0.001	-	-	-	-	0.001	-	-	-	-	-
Southington	Southington Water Department	Southington Water Department	C-Large	42,596	2.556	0.769	3.325	0.453	3.778	-	3.778	7.000	-	-	7.000	-	0.052	-	-	-	3.170
Southington	Valley Water Systems, Inc.	Southington Water Department	C-Large	763	0.046	0.020	0.066	0.004	0.070	-	0.070	-	-	-	-	0.070					-
Southington	1103 Queen Street, LLC	Southington Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Southington	1217 Queen St	Southington Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Southington	1226-1234 Queen St - Strip Mall	Southington Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Southington	Golf Quest - Southington	Southington Water Department	NC	28	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Southington	Hidden Valley Mini Golf - Batter Up	Southington Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Southington	Hollywood Lounge	Southington Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Southington	Panthorn Park Upper Restroom	Southington Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Southington	Perry Plaza	Southington Water Department	NC	32	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Southington	River Bend Plaza	Southington Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Southington	Rogers Orchards	Southington Water Department	NC	43	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Southington	Saints Drive-In Restaurant	Southington Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Southington	Southington Sportsman Assn., Inc.	Southington Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Johnson Memorial Hospital, Inc	CTWC	C	250	0.019	-	0.019	-	0.019	-	0.019	0.050			0.050						0.031
Stafford	Stafford Hollow Water Association	CTWC	C	429	0.032	-	0.032	-	0.032	-	0.032	0.050			0.050						0.018

Table B-3: Central PWSMA - Existing Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2015-2016 Residential Demand	2015 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2015-16 Total ADD	Water Sold to Other Utility	2015-16 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Stafford	CTWC - Northern Reg-Stafford System	CTWC	C-Large	2,292	0.138	0.327	0.465	0.108	0.573	-	0.573	0.700	-	-	0.700	-	-	-	-	-	0.127
Stafford	Bonnie - Jean's Kitchen	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Drp Properties LLC	CTWC	NC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Stafford	Mineral Springs Campground-System #1	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Mineral Springs Campground-System #2	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Ric's Place	CTWC	NC	27	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Roaring Brook Campgnd Coop/Pool/Rest/Rec	CTWC	NC	42	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Stafford	Roaring Brook Campground	CTWC	NC	35	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Stafford	Stafford Professional Suites	CTWC	NC	33	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Sun Valley Beach Club	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Stafford	Sun Valley Campground-System #1:Well194	CTWC	NC	50	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Stafford	Sun Valley Campground-System #2:Well 56	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Sun Valley Campground-System #3:Well 40	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Sun Valley Campground-System #4:Well 214	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Ttm Printed Circuit - Building 3A Annex	CTWC	NC	45	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Big Y Food Store	CTWC	NTNC	150	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Stafford	Big Y Satellite Stores	CTWC	NTNC	100	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Stafford	Brookside Professional Centre	CTWC	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Johnson Memorial Hospital- Cmec Building	CTWC	NTNC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	McDonalds Restaurant	CTWC	NTNC	34	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Stafford	Red Balloon Daycare	CTWC	NTNC	55	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Staffordville School	CTWC	NTNC	284	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Stafford	Ttm Printed Circuit - 15 Industrial Dr	CTWC	NTNC	120	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Stafford	Ttm Printed Circuit - 228 Upper Road	CTWC	NTNC	150	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Stafford	Ttm Printed Circuit - Building 5	CTWC	NTNC	51	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	West Stafford School	CTWC	NTNC	240	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Suffield	Aquarion Water Co of CT - W Service Corp	CTWC	C	595	0.042	0.000	0.043	0.003	0.046	-	0.046	0.050			0.050						0.004
Suffield	CTWC - Northern Reg-Western System	CTWC	C-Large	7,046	0.482	0.175	0.657	0.141	0.798	-	0.798	0.233	-	-	0.233	0.566	-	-	-	-	-
Suffield	1365 Mountain Road - Suffield	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Suffield	Airways Golf Course	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Suffield	Good Shepherd Lutheran Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Suffield	Sunrise Park - Pavilion	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Suffield	Sunrise Park - Superintendents House	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Suffield	VFW Post 9544	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Suffield	Baker Nurseries	CTWC	NTNC	200	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Tolland	Baxter Farms Community Water Assoc	Tolland Water Department	C	175	0.013	-	0.013	-	0.013	-	0.013	0.031			0.031						0.018
Tolland	Eastview Kozley Water Association	Tolland Water Department	C	60	0.005	-	0.005	-	0.005	-	0.005	0.018			0.018						0.014
Tolland	Ivy Woods	Tolland Water Department	C	207	0.006	-	0.006	-	0.006	-	0.006	0.050			0.050						0.044
Tolland	Norwegian Woods Apartments	Tolland Water Department	C	252	0.019	-	0.019	-	0.019	-	0.019	0.043			0.043						0.024
Tolland	Stone Pond Condominiums	Tolland Water Department	C	141	0.011	-	0.011	-	0.011	-	0.011	0.050			0.050						0.039
Tolland	Tolland Water Dept - Torry Road	Tolland Water Department	C	204	0.009	0.002	0.011	0.001	0.012	-	0.012	-	0.012		0.012					0.012	-
Tolland	Village At Crystal Springs	Tolland Water Department	C	172	0.005	-	0.005	-	0.005	-	0.005	0.029			0.029						0.024
Tolland	Woodland Summit Community Water Assn	CTWC	C	216	0.016	-	0.016	-	0.016	-	0.016	0.023			0.023						0.007

Table B-3: Central PWSMA - Existing Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2015-2016 Residential Demand	2015 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2015-16 Total ADD	Water Sold to Other Utility	2015-16 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Tolland	CTWC - Northern Reg-Western System	CTWC	C-Large	889	0.061	0.070	0.131	0.018	0.149	0.012	0.137	-	-	-	-	0.350	0.214	-	-	-	-
Tolland	Tolland Water Department	Tolland Water Department	C-Large	1,653	0.058	0.051	0.109	0.027	0.136	0.012	0.125	0.304	-	0.030	0.274	-	-	-	-	-	0.150
Tolland	167 Tolland Stage Road - Tolland	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Tolland	404 Merrow Road - Tolland	Tolland Water Department	NC	33	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Tolland	Crandalls Lodge	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Tolland	Crandalls Park	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Tolland	Cross Farms Complex	Tolland Water Department	NC	27	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Tolland	Del-Aire Campground - System #2, Well#2	CTWC	NC	50	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Tolland	Del-Aire Campground - System 1 (Store)	CTWC	NC	27	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Tolland	Girl Scouts of Ct, Inc (Dining Room)	Tolland Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Tolland	Girl Scouts of Ct, Inc. (Stone House)	Tolland Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Tolland	Seventh Day Adventist Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Tolland	Tolland Citgo	Tolland Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Tolland	First Baptist Church of Tolland	Tolland Water Department	NTNC	80	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Tolland	Miss Merry Mac's Daycare	Tolland Water Department	NTNC	64	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Tolland	State Police Barracks Troop C	Tolland Water Department	NTNC	70	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Tolland	Tolland Professional Center	CTWC	NTNC	26	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Tolland	U.S. Department of Agriculture - Tolland	Tolland Water Department	NTNC	36	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Vernon	CTWC - Northern Reg-Llynwood System	CTWC	C	192	0.006	-	0.006	-	0.006	-	0.006	0.020			0.020						0.014
Vernon	CTWC - Northern Reg-Reservoir Heights	CTWC	C	62	0.004	-	0.004	0.001	0.005	-	0.005	-	0.007		0.007					0.005	0.002
Vernon	Vernon Village Inc.	CTWC	C	430	0.032	-	0.032	-	0.032	-	0.032	0.050			0.050						0.018
Vernon	CTWC - Northern Reg-Western System	CTWC	C-Large	17,516	1.199	0.450	1.649	0.351	1.999	-	1.999	9.590	-	-	9.590	-	1.974	-	0.000	-	5.616
Vernon	Manchester Water Department	Manchester Water Department	C-Large	70	0.005	-	0.005	0.001	0.006	-	0.006	-	-		-	0.006	-	-	-	-	-
Vernon	500 East Plaza	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Vernon	Camp Newhoca	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Vernon	Camp Newhoca Park	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Vernon	Carlo Realty (458 Plaza)	CTWC	NC	50	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Vernon	Italian Social Club of Rockville	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Vernon	Little Marks Big Barbecue	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Vernon	Valley Falls Park	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Wallingford	Meriden Water Division	Wallingford Water Division	C-Large	74	0.004	0.018	0.022	0.005	0.027	-	0.027	-	-	-	-	0.027	-	-	-	-	-
Wallingford	Wallingford Water Division	Wallingford Water Division	C-Large	38,990	2.008	1.430	3.438	0.473	3.911	-	3.911	9.079	-	-	9.079	-	0.008	-	-	-	5.160
Wallingford	Blue Trail Rifle Range	Wallingford Water Division	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Wallingford	South Broad Street Service Area	Wallingford Water Division	NTNC	250	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	0.002	-
Wallingford	Tilcon Connecticut Inc. - Wallingford	Wallingford Water Division	NTNC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
West Hartford	Metropolitan District Commission	MDC	C-Large	61,619	4.050	2.585	6.635	1.665	8.299	0.422	7.877	77.100		5.650	71.450		43.342				20.231
West Haven	SCCRWA	SCCRWA	C-Large	52,416	2.726	1.989	4.714	0.583	5.297	-	5.297	-			-	11.721	6.424				0.000
Westbrook	Safe Harbor, Inc.	CTWC	C	50	0.004	-	0.004	-	0.004	-	0.004	0.050			0.050						0.046
Westbrook	CTWC - Shoreline Region-Guilford System	CTWC	C-Large	4,000	0.229	0.090	0.319	0.078	0.397	-	0.397	0.380	-	-	0.380	0.823	0.806				0.000
Westbrook	Kingdom Hall of Jehovahs Witness	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Westbrook	Clinton Nurseries - Primary System	CTWC	NTNC	100	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Westbrook	Clinton Nurseries - Secondary System	CTWC	NTNC	143	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-

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Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2015-2016 Residential Demand	2015 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2015-16 Total ADD	Water Sold to Other Utility	2015-16 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Westbrook	Pumpkin Patch Daycare	CTWC	NTNC	105	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Wethersfield	Metropolitan District Commission	MDC	C-Large	25,801	1.696	0.906	2.601	0.697	3.298	-	3.298	-			-	5.536	2.238				-
Wethersfield	The 798 Silas Deane Highway, LLC	MDC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Willington	Cedar Ridge Apartments	CTWC	C	300	0.023	-	0.023	-	0.023	-	0.023	0.017			0.017						(0.005)
Willington	CTWC - Riversedge Division	CTWC	C	179	0.006	0.003	0.009	0.003	0.012	-	0.012	-	0.030	-	0.030	-	-	-	-	0.012	0.018
Willington	Deer Park Apartments	CTWC	C	125	0.009	-	0.009	-	0.009	-	0.009	0.050			0.050						0.041
Willington	Natural Park Apartments, LLC	CTWC	C	60	0.005	-	0.005	-	0.005	-	0.005	0.043			0.043						0.039
Willington	North Willington Village Condo Assoc.	CTWC	C	66	0.005	-	0.005	-	0.005	-	0.005	0.029			0.029						0.024
Willington	Ridgeview Heights	CTWC	C	96	0.007	-	0.007	-	0.007	-	0.007	0.050			0.050						0.043
Willington	Walden Apartments	CTWC	C	276	0.021	-	0.021	-	0.021	-	0.021	0.050			0.050						0.029
Willington	Willington Oaks Apartments	CTWC	C	400	0.030	-	0.030	-	0.030	-	0.030	0.050			0.050						0.020
Willington	Willington Ridge Condos - System #1	CTWC	C	102	0.008	-	0.008	-	0.008	-	0.008	0.017			0.017						0.010
Willington	Willington Ridge Condos - System #2	CTWC	C	102	0.008	-	0.008	-	0.008	-	0.008	0.015			0.015						0.007
Willington	Willington Senior Center & Housing	CTWC	C	32	0.002	-	0.002	-	0.002	-	0.002	0.039			0.039						0.036
Willington	Woodhaven Apartments	CTWC	C	489	0.037	-	0.037	-	0.037	-	0.037	0.030			0.030						(0.006)
Willington	12 Tolland Turnpike (Route 74)	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Willington	15 River Road Plaza	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Willington	39 Adamec Road	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Willington	Moose Meadow Campground	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Willington	Schofield Spring	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Willington	Wilderness Lake Campground & Resort	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Willington	Willington Dunkin Donuts	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Willington	Willington Mobil	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Willington	Willington Pizza House	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Willington	Willington Public Library	CTWC	NC	50	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Willington	Willington Rest Area (I-84 E&W)	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Willington	Willington Xtra Mart	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Willington	Fed Ex Ground	CTWC	NTNC	200	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Willington	Kids Kingdom Daycare Center	CTWC	NTNC	118	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Willington	Phelps Crossing Commercial	CTWC	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Willington	TA Travel Plaza	CTWC	NTNC	130	-	0.006	0.006	-	0.006		0.006	-	-	-	-	-	-	-	-	-	-
Windsor	Metropolitan District Commission	MDC	C-Large	27,695	1.820	0.972	2.792	0.748	3.540	0.026	3.514	-			-	3.678	0.137				0.026
Windsor Locks	CTWC - Northern Reg-Western System	CTWC	C-Large	11,808	0.808	0.315	1.123	0.236	1.359	-	1.359	-	-	-	-	1.435	0.076	-	-	0.026	0.000
Windsor Locks	Dem Produce And Garden Center	CTWC	NC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Windsor Locks	Donut Kettle	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Woodbridge	SCCRWA	SCCRWA	C-Large	1,433	0.075	0.054	0.129	0.016	0.145	-	0.145	9.200			9.200		3.422				5.633
Woodbridge	Church of Latter Day Saints, Woodbridge	SCCRWA	NC	220	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Woodbridge	Tennis Central	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Woodbridge	Tradition Golf Club At Oak Lane	SCCRWA	NC	43	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Woodbridge	Woodbridge Club	SCCRWA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Woodbridge	125-131 Bradley Road - Woodbridge	SCCRWA	NTNC	385	-	0.008	0.008	-	0.008		0.008	-	-	-	-	-	-	-	-	-	-

Table B-4: Central PWSMA - Five-Year (2023) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2023 Residential Demand	2023 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2023 Total ADD	Water Sold to Other Utility	2023 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Andover	Hop River Homes	AWC	C	26	0.002	-	0.002	-	0.002	-	0.002	0.038			0.038						0.036
Andover	Whispering Hills, LLC - Well A System	AWC	C	16	0.001	-	0.001	-	0.001	-	0.001	0.010			0.010						0.009
Andover	Whispering Hills, LLC - Well D System	AWC	C	48	0.004	-	0.004	-	0.004	-	0.004	0.050			0.050						0.046
Andover	7-Eleven #32523	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Andover	Andover Plaza	AWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Andover	Andover Town Hall & Fire Department	AWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Andover	First Congregational Church	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Andover	Xtra Mart Water Supply	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Andover	Andover Elementary School	AWC	NTNC	381	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Andover	Network, Inc.	AWC	NTNC	77	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Andover	Scott Electrokrafts	AWC	NTNC	45	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Avon	Avon Water Co	Avon Water Company	C-Large	11,468	0.954	0.388	1.341	0.153	1.494	0.057	1.437	4.777	-	0.650	4.127		0.226				2.464
Avon	CTWC - Naugatuck Reg-Collinsville Sys	CTWC	C-Large	1,145	0.081	0.003	0.084	0.001	0.085	-	0.085	-	0.650	-	0.650	-	-	-	-	0.057	0.565
Avon	CTWC - Unionville System	CTWC	C-Large	2,645	0.254	0.004	0.258	0.016	0.274	-	0.274	-	-	-	-	0.274	-	-		-	-
Avon	Farmington Valley Arc	Avon Water Company	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Avon	Talcott Mountain Science Center #1	Avon Water Company	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Avon	Talcott Mountain Science Center #2	Avon Water Company	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Berlin	Berlin Water Control Commission	Berlin Water Control Commission	C-Large	7,330	0.470	0.572	1.043	0.150	1.192	0.353	0.839	0.756	1.600	0.685	1.671		0.001			0.743	0.831
Berlin	Kensington Fire District	Kensington Fire District	C-Large	7,762	0.567	0.243	0.810	0.110	0.920	-	0.920	-	0.920	-	0.920	-	-	-	-	0.920	-
Berlin	New Britain Water Department	New Britain Water Department	C-Large	212	0.016	0.003	0.019	0.003	0.022	-	0.022	-	-	-	-	0.022	-	-	-	-	-
Berlin	Worthington Fire District	Worthington Fire District	C-Large	2,990	0.209	0.085	0.294	0.059	0.353	-	0.353	-	0.685	-	0.685	-	-	-	-	0.353	0.332
Berlin	Berlin Bowling Center	Berlin Water Control Commission	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Berlin	Safari Golf	Berlin Water Control Commission	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Berlin	Svea Social Club	Berlin Water Control Commission	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Berlin	Sunny Border Nursery	Berlin Water Control Commission	NTNC	135	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Berlin	Metropolitan District Commission	Berlin Water Control Commission	C-Large	163	0.013	-	0.013	0.003	0.016	-	0.016	-			-	0.016					-
Bethany	Bethany Mobile Home Park	SCCRWA	C	138	0.010	-	0.010	-	0.010	-	0.010	0.050			0.050						0.040
Bethany	SCCRWA	SCCRWA	C-Large	386	0.020	0.014	0.034	0.004	0.037	-	0.037	-			-	0.037					-
Bethany	119 Amity Road	SCCRWA	NC	28	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bethany	667-687 Amity Road	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bethany	Bethany Mart	SCCRWA	NC	100	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bethany	Bethany Volunteer Fire Dept Hq	SCCRWA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bethany	Billy's Ice Cream & Marketplace	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bethany	Christ Episcopal Church	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bethany	Country Corner Diner LLC	SCCRWA	NC	32	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bethany	First Church of Christ Congregational	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bethany	Steves Deli	SCCRWA	NC	102	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bethany	Teddy Bs	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bethany	Veterans Memorial Park Pavillion	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bethany	Woodhaven Country Club	SCCRWA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bethany	234 Amity Road	SCCRWA	NTNC	55	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bethany	41 Village Lane Office Park	SCCRWA	NTNC	33	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bethany	Amity Regional Junior High School	SCCRWA	NTNC	475	-	0.007	0.007	-	0.007		0.007	-	-	-	-	-	-	-	-	-	-
Bethany	Amity Village - Bethany 63 Plaza	SCCRWA	NTNC	65	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bethany	Bethany Town Center	SCCRWA	NTNC	750	-	0.011	0.011	-	0.011		0.011	-	-	-	-	-	-	-	-	-	-
Bethany	Laticrete International	SCCRWA	NTNC	75	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Bethany	M & M Properties	SCCRWA	NTNC	38	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bethany	State Police Barracks Troop I	SCCRWA	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bethany	The Graduate Institute	SCCRWA	NTNC	180	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-

Table B-4: Central PWSMA - Five-Year (2023) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2023 Residential Demand	2023 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2023 Total ADD	Water Sold to Other Utility	2023 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Bloomfield	Grant Hill Associates, Inc.	MDC	C	97	0.007	-	0.007	-	0.007	-	0.007	0.045			0.045						0.038
Bloomfield	Juniper Club Inc.	MDC	C	104	0.008	-	0.008	-	0.008	-	0.008	0.027			0.027						0.019
Bloomfield	Orchard Hill Association	MDC	C	30	0.002	-	0.002	-	0.002	-	0.002	0.050			0.050						0.048
Bloomfield	Sharon Heights Water Association	MDC	C	51	0.004	-	0.004	-	0.004	-	0.004	0.032			0.032						0.029
Bloomfield	Metropolitan District Commission	MDC	C-Large	20,232	1.592	0.704	2.296	0.345	2.641	-	2.641	-			-	2.641					-
Bloomfield	J. C. C. Swim & Tennis Club	MDC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bloomfield	Penwood State Park/Main Park Well	MDC	NC	700	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Bolton	166 & 180 Boston Turnpike	CTWC	C	31	0.001	-	0.001	-	0.001	-	0.001	0.050			0.050						0.050
Bolton	890 Boston Turnpike	CTWC	C	60	0.005	-	0.005	-	0.005	-	0.005	0.032			0.032						0.028
Bolton	Cook Drive Association	CTWC	C	49	0.006	-	0.006	-	0.006	-	0.006	0.011			0.011						0.005
Bolton	CTWC - Northern Reg-Llynwood System	CTWC	C	192	0.006	-	0.006	-	0.006	-	0.006	0.020			0.020						0.014
Bolton	Southridge Park Apartments	CTWC	C	50	0.004	-	0.004	-	0.004	-	0.004	0.050			0.050						0.046
Bolton	Sunset Apartments LLC	CTWC	C	46	0.003	-	0.003	-	0.003	-	0.003	0.050			0.050						0.047
Bolton	1135 Boston Turnpike - Bolton	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	299 Boston Turnpike - Plaza	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	60 Villa Louisa - Villa Louisa/Rossittos	ESA Unassigned	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	A-One Food Store	ESA Unassigned	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	Bolton Congregational Church	ESA Unassigned	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	Bolton Gulf	CTWC	NC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	Bolton Ice Palace	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	Bolton Mobil	ESA Unassigned	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	Bolton Notch Plaza	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	Bolton Pizza	ESA Unassigned	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	Bolton Professional Bldg	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	Bolton Town Hall	Town of Bolton	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	Fish Family Farm	ESA Unassigned	NC	41	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	Georginas Pizza	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	Herrick Park	CTWC	NC	29	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	Our Place Restaurant	ESA Unassigned	NC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	Saint Maurice Church Well# 1	ESA Unassigned	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	Saint Maurice Church Well# 2	ESA Unassigned	NC	37	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	Three Js Cafe	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	United Methodist Church	CTWC	NC	35	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	Able Coil	CTWC	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	Bolton Center School (K-8)	Town of Bolton	NTNC	756	-	0.011	0.011	-	0.011		0.011	-	-	-	-	-	-	-	-	-	-
Bolton	Bolton High School	Town of Bolton	NTNC	304	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Bolton	Comcast Corporation	CTWC	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	Hans Christian Andersen Montessori	ESA Unassigned	NTNC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	Munson's Candy Kitchen	CTWC	NTNC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	Netsource, Inc.	ESA Unassigned	NTNC	75	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Bolton	Simoniz USA	CTWC	NTNC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	The Carlyle Johnson Machine Company	ESA Unassigned	NTNC	42	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Branford	SCCRWA	SCCRWA	C-Large	29,035	1.510	1.028	2.538	0.282	2.820	0.116	2.704	-		1.000	(1.000)	2.820					(0.884)
Canton	298-302 Albany Turnpike	CTWC	C	28	0.002	-	0.002	-	0.002	-	0.002	0.006			0.006						0.004
Canton	CTWC - Naugatuck Reg-Collinsville Sys	CTWC	C-Large	4,130	0.293	0.088	0.381	0.003	0.384	-	0.384	-	0.650	-	0.650	-	0.009	-	-	0.422	0.257
Canton	180 Cherry Brook Road - Canton	CTWC	NC	36	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Canton	192 Albany Turnpike - Canton	CTWC	NC	155	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Canton	306 Albany Turnpike	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Canton	310 Albany Turnpike	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Canton	First Congregational Church of Canton Ce	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Canton	Giv Coffee Roastery And Cafe	CTWC	NC	34	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Canton	North Canton United Methodist Church	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Canton	Roaring Brook Nature Center	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Canton	Canton Professional Building	CTWC	NTNC	35	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Canton	Cherry Brook School	CTWC	NTNC	615	-	0.007	0.007	-	0.007		0.007	-	-	-	-	-	-	-	-	-	-
Canton	Jonis Child Care	CTWC	NTNC	112	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Canton	Stepping Stones Educational Center	CTWC	NTNC	185	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-

Table B-4: Central PWSMA - Five-Year (2023) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2023 Residential Demand	2023 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2023 Total ADD	Water Sold to Other Utility	2023 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Chester	Aaron Manor Nursing & Rehab Center	CTWC	C	81	0.006	-	0.006	-	0.006	-	0.006	0.017			0.017						0.011
Chester	CTWC - Shoreline Reg-Chester Vllg West	CTWC	C	216	0.006	-	0.006	-	0.006	-	0.006	0.015	-	-	0.015						0.009
Chester	CTWC - Shoreline Region-Chester System	CTWC	C-Large	1,452	0.087	0.088	0.175	0.026	0.201	-	0.201	1.200	-	-	1.200		0.441				0.557
Chester	Brushmill By The Waterfall	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Chester	Camp Hazen YMCA Well #1	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Chester	Camp Hazen YMCA Well #3	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Chester	Guest House Retreat & Conference Center	CTWC	NC	25	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Chester	Roto Frank of America	CTWC	NTNC	70	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Chester	Twelve Inspiration Lane, LLC	CTWC	NTNC	68	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Chester	Whelen Engineering Co	CTWC	NTNC	525	-	0.013	0.013	-	0.013		0.013	-	-	-	-	-	-	-	-	-	-
Chester	Whelen Engineering Co - Aviation	CTWC	NTNC	100	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Clinton	Evergreen Trailer Park - System #1	CTWC	C	45	0.002	-	0.002	-	0.002	-	0.002	0.019			0.019						0.017
Clinton	Evergreen Trailer Park - System #2	CTWC	C	35	0.001	-	0.001	-	0.001	-	0.001	0.015			0.015						0.014
Clinton	Evergreen Trailer Park - System #3	CTWC	C	68	0.003	-	0.003	-	0.003	-	0.003	0.029			0.029						0.026
Clinton	Evergreen Trailer Park - System #4	CTWC	C	110	0.008	-	0.008	-	0.008	-	0.008	0.021			0.021						0.012
Clinton	Nod Hill Apartments	CTWC	C	48	0.004	-	0.004	-	0.004	-	0.004	0.008			0.008						0.004
Clinton	CTWC - Shoreline Region-Guilford System	CTWC	C-Large	9,000	0.511	0.199	0.710	0.156	0.866	-	0.866	4.920	-	-	4.920		1.712				2.342
Clinton	36 Killingworth Tnpk-Lantern Sq-Clinton	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Clinton	Chamard Vineyards	CTWC	NC	40	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Clinton	Indian River Recreational Complex	CTWC	NC	28	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	CTWC - Columbia Heights Div.	AWC	C	32	0.005	-	0.005	-	0.005	-	0.005	0.018			0.018						0.013
Columbia	Dartmouth Village Elderly Housing	AWC	C	25	0.002	-	0.002	-	0.002	-	0.002	0.050			0.050						0.048
Columbia	Woodland Terrace	AWC	C	27	0.002	-	0.002	-	0.002	-	0.002	0.019			0.019						0.017
Columbia	52 Route 66	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	Beckish Senior Center	AWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Columbia	Camp Asto Wamah - Hungerford	AWC	NC	100	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Columbia	Camp Asto Wamah - Infirmary	AWC	NC	100	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Columbia	Camp Asto Wamah - Lodge	AWC	NC	100	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Columbia	Columbia Beach House	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	Columbia Congregational Church	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	Columbia Town Hall	AWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Columbia	Cornerstone of Columbia	AWC	NC	193	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Columbia	Heartstone Farm & Winery, LLC	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	Hop River Motel	AWC	NC	25	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Columbia	Ica Donuts, LLC	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	Mottas Pastry & Bake Shop	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	Recreation Park	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	Rosemar LLC	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	Saint Columba Church	AWC	NC	49	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	The Lighthouse Restaurant	AWC	NC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Columbia	Baptist Fellowship Church	AWC	NTNC	48	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	Columbia Ford	AWC	NTNC	95	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Columbia	Columbia Manufacturing - Well #1	AWC	NTNC	150	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Columbia	Columbia Manufacturing - Well #2	AWC	NTNC	155	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Columbia	Discovery Zone Learning Center	AWC	NTNC	189	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Columbia	Eastconn Columbia	AWC	NTNC	60	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Columbia	Eastconn Early Childhood Center	AWC	NTNC	250	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Columbia	Horace Porter School	AWC	NTNC	797	-	0.012	0.012	-	0.012		0.012	-	-	-	-	-	-	-	-	-	-
Columbia	Mirjaf, Inc.	AWC	NTNC	85	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Coventry	Coventry Housing Authority-Lower System	CTWC	C	80	0.002	-	0.002	-	0.002	-	0.002	0.043			0.043						0.041
Coventry	Coventry Housing Authority-Upper System	CTWC	C	80	0.001	-	0.001	-	0.001	-	0.001	0.017			0.017						0.016
Coventry	CTWC - Coventry Hills Div	CTWC	C	700	0.031	-	0.031	-	0.031	-	0.031	0.050			0.050						0.019
Coventry	CTWC - General Water Division	CTWC	C	306	0.014	-	0.014	0.004	0.017	-	0.017	0.043			0.043						0.026
Coventry	CTWC - Northern Region-Lakeview Terrace	CTWC	C	472	0.012	-	0.012	0.003	0.015	-	0.015	0.022			0.022						0.007
Coventry	CTWC - Northern Region-	CTWC	C	256	0.005	-	0.005	0.001	0.006	-	0.006	0.009			0.009						0.002

Table B-4: Central PWSMA - Five-Year (2023) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2023 Residential Demand	2023 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2023 Total ADD	Water Sold to Other Utility	2023 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Coventry	CTWC - Northern Reg-Nathan Hale System	CTWC	C	160	0.005	-	0.005	-	0.005	-	0.005	0.016			0.016						0.011
Coventry	CTWC - Pilgrim Hills Division	CTWC	C	229	0.014	-	0.014	-	0.014	-	0.014	0.050			0.050						0.036
Coventry	CTWC - South Coventry System	CTWC	C	501	0.025	-	0.025	0.004	0.030	-	0.030	0.048			0.048						0.018
Coventry	Twin Hills Water District	CTWC	C	156	0.007	-	0.007	-	0.007	-	0.007	0.042			0.042						0.036
Coventry	1657 Boston Turnpike - Coventry	CTWC	NC	203	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Coventry	7-Eleven Coventry	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Channel 3 Country Camp	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Coventry	Cove Plaza	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Coventry Food Mart	CTWC	NC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Coventry Pizza Restaurant	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Coventry	Coventry Plaza	CTWC	NC	38	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Coventry Senior Center	Town of Coventry	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Coventry	Cvs Plaza - Coventry	CTWC	NC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Dimitris Pizza	CTWC	NC	26	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Coventry	Dunkin Donuts	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	McMc Investments LLC	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Coventry	Nathan Hale Homestead	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Patriots Park - Community Center	Town of Coventry	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Presbyterian Church of Coventry	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Saint Marys Church	CTWC	NC	31	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Skungamaug River Golf Course	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Coventry	Storrs Community Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Twin Hills Country Club	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Coventry	Walgreen's Pharmacy-Coventry	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Coventry Grammar School	Town of Coventry	NTNC	558	-	0.006	0.006	-	0.006		0.006	-	-	-	-	-	-	-	-	-	-
Coventry	Coventry High & Nathan Hale Schools	Town of Coventry	NTNC	1,252	-	0.023	0.023	-	0.023		0.023	-	-	-	-	-	-	-	-	-	-
Coventry	Coventry Kids Center	CTWC	NTNC	80	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	George Hersey Robertson School	Town of Coventry	NTNC	573	-	0.006	0.006	-	0.006		0.006	-	-	-	-	-	-	-	-	-	-
Coventry	Meadowbrook Shopping Center	CTWC	NTNC	40	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Prince of Peace Lutheran Church	CTWC	NTNC	34	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Cromwell	Cromwell Fire District Water Department	Cromwell Fire District	C-Large	15,400	1.090	0.532	1.622	0.161	1.783	0.076	1.707	7.870		0.300	7.570						5.863
Cromwell	Metropolitan District Commission	Cromwell Fire District	C-Large	32	0.003	-	0.003	0.001	0.003	-	0.003	-			-	0.003					-
Cromwell	227 & 229 Shunpike Road	Cromwell Fire District	NC	41	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Cromwell	Convenience Store	Cromwell Fire District	NC	100	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Deep River	Ridgewood Hills Association, System #1	CTWC	C	18	0.001	-	0.001	-	0.001	-	0.001	0.019			0.019						0.018
Deep River	Ridgewood Hills Association, System #2	CTWC	C	18	0.001	-	0.001	-	0.001	-	0.001	0.019			0.019						0.018
Deep River	Ridgewood Hills Association, System #3	CTWC	C	18	0.001	-	0.001	-	0.001	-	0.001	0.019			0.019						0.018
Deep River	Ridgewood Hills Association, System #4	CTWC	C	18	0.001	-	0.001	-	0.001	-	0.001	0.019			0.019						0.018
Deep River	CTWC - Shoreline Region-Chester System	CTWC	C-Large	2,038	0.122	0.056	0.178	0.027	0.204	-	0.204	-	-	-	-	0.441	0.237				(0.000)
Deep River	Brewers Deep River Marina	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Deep River	Richcat, LLC	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Deep River	Incarnation Center, Inc	CTWC	NTNC	42	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Deep River	John Winthrop Junior High School	CTWC	NTNC	400	-	0.007	0.007	-	0.007		0.007	-	-	-	-	-	-	-	-	-	-
Deep River	Mount Saint John School	CTWC	NTNC	40	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Deep River	Valley Regional High School	CTWC	NTNC	565	-	0.010	0.010	-	0.010		0.010	-	-	-	-	-	-	-	-	-	-
Durham	Blue Trails Water Association	CTWC	C	228	0.017	-	0.017	-	0.017	-	0.017	0.041			0.041						0.024
Durham	Durham Center Division	Town of Durham	C	140	0.011	-	0.011	-	0.011	-	0.011	0.050	0.220		0.270						0.260
Durham	Durham Elderly Housing Division	Town of Durham	C	50	0.004	-	0.004	-	0.004	-	0.004	0.050			0.050						0.046
Durham	Durham Lexington Place Division	Town of Durham	C	45	0.003	-	0.003	-	0.003	-	0.003	0.050			0.050						0.047
Durham	Twin Maples Nursing Home	CTWC	C	100	0.008	-	0.008	-	0.008	-	0.008	0.023			0.023						0.015
Durham	Yeshiva of Waterbury-Durham Campus (Formerly Stonegate Springs NTNC)	Town of Durham	C	95	0.007	-	0.007	-	0.007	-	0.007	0.050			0.050						0.043
Durham	1041 New Haven Road - Durham	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	238 Main Street	Town of Durham	NC	47	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	325 Main Street	Town of Durham	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-

Table B-4: Central PWSMA - Five-Year (2023) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2023 Residential Demand	2023 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2023 Total ADD	Water Sold to Other Utility	2023 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Durham	459 Madison Rd	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	45R Ozick Drive - Unit 18-R	Town of Durham	NC	38	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Adams Commons, LLC.	Town of Durham	NC	43	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Camp Farnam	Town of Durham	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Carolyn Adams' Country Barn	Town of Durham	NC	29	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Citizens Bank - Durham	Town of Durham	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Commerce Circle Assoc	Town of Durham	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Dhi Enterprises, Inc.	CTWC	NC	31	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Dunkin Donuts	Town of Durham	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Durham Commons	Town of Durham	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Fas Mart #313	Town of Durham	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Grippos Mobil Service Center	Town of Durham	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Linos Market	Town of Durham	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Durham	New Haven Racoon Club	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	The Lnjs Realty Family Ltd Partnership	Town of Durham	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Durham	The United Churches of Durham - Church	Town of Durham	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Time Out Taverne	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	United Churches Corporation	Town of Durham	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Dd Durham	Town of Durham	NTNC	156	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Durham	Durham Manufacturing Company	Town of Durham	NTNC	200	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Durham	Frederick Brewster School	Town of Durham	NTNC	370	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Durham	Hobson Motzer, Inc.	Town of Durham	NTNC	200	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Durham	Morgan Am&T - Building #1	Town of Durham	NTNC	100	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Durham	Regional School Dist #13 Consolidation	Town of Durham	NTNC	1,261	-	0.023	0.023	-	0.023		0.023	-	-	-	-	-	-	-	-	-	-
East Granby	Chelsea Common Condominium Association	MDC	C	126	0.004	-	0.004	-	0.004	-	0.004	0.030			0.030						0.026
East Granby	GQC Well Commission	MDC	C	360	0.016	-	0.016	-	0.016	-	0.016	0.050			0.050						0.034
East Granby	Metacomet Homes-Well 1	MDC	C	27	0.002	-	0.002	-	0.002	-	0.002	0.009			0.009						0.007
East Granby	Metacomet Homes-Well 2	MDC	C	36	0.003	-	0.003	-	0.003	-	0.003	0.009			0.009						0.006
East Granby	Old Newgate Ridge Water Company Inc	MDC	C	208	0.016	-	0.016	-	0.016	-	0.016	0.050			0.050						0.034
East Granby	Turkey Hill of East Granby, LLC	AWC	C	360	0.025	-	0.025	-	0.025	-	0.025	0.050			0.050						0.025
East Granby	Aquarion Water Co of CT-Simsbury System	AWC	C-Large	208	0.021	0.007	0.028	0.005	0.032	-	0.032	-	-	-	-	0.032	-	-	-	-	-
East Granby	CTWC - Northern Reg-Western System	CTWC	C-Large	69	0.005	0.070	0.075	0.001	0.076	-	0.076	-	-	-	-	0.076	-	-	-	-	-
East Granby	Metropolitan District Commission	MDC	C-Large	891	0.070	0.072	0.142	0.015	0.157	-	0.157	-			-	0.157					-
East Granby	20 Copper Hill Road	MDC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Granby	95 Spoonville Road - East Granby	MDC	NC	29	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Granby	Brignole Vineyards, LLC	AWC	NC	35	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Granby	East Granby Farms	MDC	NC	27	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Granby	Hartford Gun Club - Main Club House	MDC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Granby	Acceleron	AWC	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Granby	Galasso Materials, LLC-Garage Well	MDC	NTNC	120	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
East Granby	Galasso Materials, LLC-Main Office Well	MDC	NTNC	120	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
East Granby	Galasso Materials, LLC-Sales Well	MDC	NTNC	120	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
East Haddam	31 Grist Mill Rd	Town of East Haddam	C	19	0.002	-	0.002	-	0.002	-	0.002	0.031			0.031						0.029
East Haddam	Chestelm Health & Rehabilitation Center	Town of East Haddam	C	120	0.007	-	0.007	-	0.007	-	0.007	0.019			0.019						0.012
East Haddam	CTWC - Banner Village	CTWC	C	265	0.006	-	0.006	0.003	0.009	-	0.009	0.050			0.050						0.041
East Haddam	CTWC - Lake Hayward	CTWC	C	650	0.005	-	0.005	0.004	0.009	-	0.009	0.050			0.050						0.041
East Haddam	Franklin Academy	Town of East Haddam	C	81	0.006	-	0.006	-	0.006	-	0.006	0.030			0.030						0.024
East Haddam	Goodspeed Actor Housing - The Village	Town of East Haddam	C	40	0.003	-	0.003	-	0.003	-	0.003	0.022			0.022						0.019
East Haddam	Oak Grove Senior Housing Corp	Town of East Haddam	C	72	0.005	-	0.005	-	0.005	-	0.005	0.013			0.013						0.008
East Haddam	12 Rae Palmes Road - East Haddam	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-

Table B-4: Central PWSMA - Five-Year (2023) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2023 Residential Demand	2023 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2023 Total ADD	Water Sold to Other Utility	2023 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
East Haddam	2 Norwich Road	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	32 Main Street - East Haddam	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	374 Town Street	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	381 Town Street - East Haddam	Town of East Haddam	NC	42	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	7-Eleven #32526	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	American Legion Post #156	Town of East Haddam	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	Cave Hill Resort	Town of East Haddam	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	Christ Community Church of East Haddam	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	East Haddam Public Library	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	East Haddam Senior Center	Town of East Haddam	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	First Church of Christ Congregational	Town of East Haddam	NC	89	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Fox Hopyard Golf Club - Pro Shop Well	Town of East Haddam	NC	40	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Fox Hopyard Golf Club(Club House Well)	Town of East Haddam	NC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	Gillette Castle State Park / Castle Well	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Gillette Castle State Park / Concession	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Goodspeed Realty LLC	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Grandview Camp Resort & Cottages	Town of East Haddam	NC	29	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	La Vita Gustosa	Town of East Haddam	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	Middlesex 4-H Camp	Town of East Haddam	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	Middlesex Hospital Medical Facility	Town of East Haddam	NC	31	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	My Fathers House	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Nathan Hale Plaza, LLC	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Rathbun Free Memorial Library	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Sanibel Farms Store	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	St Bridgets of Kildare Church	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	St Stephens Episcopal Church	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Town Office Complex	Town of East Haddam	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	Wolfs Den Campground-System #2:Main	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Wolfs Den Campground-System #3:Backup	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Chestelm Adult Day Services, Inc.	Town of East Haddam	NTNC	39	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	East Haddam Elementary School	Town of East Haddam	NTNC	600	-	0.007	0.007	-	0.007		0.007	-	-	-	-	-	-	-	-	-	-
East Haddam	Goodspeed Opera House	Town of East Haddam	NTNC	150	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	Kindercare Learning Corp of Moodus	Town of East Haddam	NTNC	100	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-

Table B-4: Central PWSMA - Five-Year (2023) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2023 Residential Demand	2023 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2023 Total ADD	Water Sold to Other Utility	2023 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
East Haddam	Little Noises Day Care, LLC	Town of East Haddam	NTNC	44	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Little Village Preschool	Town of East Haddam	NTNC	34	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Nathan Hale-Ray High School	Town of East Haddam	NTNC	461	-	0.008	0.008	-	0.008		0.008	-	-	-	-	-	-	-	-	-	-
East Haddam	Nathan Hale-Ray Middle School	Town of East Haddam	NTNC	620	-	0.009	0.009	-	0.009		0.009	-	-	-	-	-	-	-	-	-	-
East Hampton	Aquarion Water Co of CT-East Hampton Div	East Hampton WPCA	C	189	0.006	-	0.006	0.001	0.007	-	0.007	0.008			0.008						0.001
East Hampton	Bellwood Court	East Hampton WPCA	C	31	0.002	-	0.002	-	0.002	-	0.002	0.008			0.008						0.005
East Hampton	Chatham Acres Elderly Housing	East Hampton WPCA	C	50	0.004	-	0.004	-	0.004	-	0.004	0.050			0.050						0.046
East Hampton	Chatham Apartments	East Hampton WPCA	C	40	0.003	-	0.003	-	0.003	-	0.003	0.043			0.043						0.040
East Hampton	Cobalt Lodge Healthcare & Rehab Center (Z, Inc.)	East Hampton WPCA	C	130	0.004	-	0.004	-	0.004	-	0.004	0.050			0.050						0.046
East Hampton	CTWC - Baker Hill Division	CTWC	C	203	0.006	-	0.006	-	0.006	-	0.006	0.029			0.029					0.000	0.023
East Hampton	CTWC - Spice Hill Division	East Hampton WPCA	C	712	0.028	-	0.028	-	0.028	-	0.028	0.049			0.049					0.000	0.020
East Hampton	CTWC - Westchester East	East Hampton WPCA	C	153	0.005	-	0.005	-	0.005	-	0.005	0.039			0.039						0.034
East Hampton	East Hampton WPCA - Royal Oaks System	East Hampton WPCA	C	328	0.011	0.001	0.012	0.001	0.013	-	0.013	0.040	-	-	0.040	-	-	-	-	-	0.027
East Hampton	East Hampton WPCA - Village Center	East Hampton WPCA	C	366	0.003	0.006	0.009	0.001	0.010	-	0.010	0.021	-	-	0.021	-	-	-	-	-	0.012
East Hampton	Edgemere Condominium Assn., Inc.	East Hampton WPCA	C	540	0.041	-	0.041	-	0.041	-	0.041	0.050			0.050						0.010
East Hampton	Mallard Cove Condominium Assn.	East Hampton WPCA	C	177	0.008	-	0.008	-	0.008	-	0.008	0.050			0.050						0.042
East Hampton	Westside Manor	East Hampton WPCA	C	30	0.002	-	0.002	-	0.002	-	0.002	0.010			0.010						0.007
East Hampton	197 East High Street	East Hampton WPCA	NC	31	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	227 West High Street - E Hampton	East Hampton WPCA	NC	39	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	26 East High Street	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	36 East High Street - East Hampton	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	37 East High Street - E Hampton	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	Angelicos Lakehouse	East Hampton WPCA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	Bethlehem Lutheran Church	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	Chatham Corner Building	East Hampton WPCA	NC	28	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	East Hampton Fire Station #1	East Hampton WPCA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	East Hampton Fire Station #2	East Hampton WPCA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	Food Bag	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	Food Bag - East High Street	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	Gustine's Rv Sales & Service	East Hampton WPCA	NC	31	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	Haddam Neck Covenant Church	East Hampton WPCA	NC	60	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	Hope Church of East Hampton	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	Kickback N Bowl	East Hampton WPCA	NC	28	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	Loco Perro	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	Nelsons Campground - Area G	East Hampton WPCA	NC	50	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
East Hampton	Nelsons Campground - Area H	East Hampton WPCA	NC	60	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
East Hampton	Pats Market Cobalt, LLC	East Hampton WPCA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	Rossinis	East Hampton WPCA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	Sears Park	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	Spencers Funeral Home	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	Sports On 66	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	St Patrick Church	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	St. Patrick Church - Parish Center	East Hampton WPCA	NC	33	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	VFW #5095	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	201 West High Street	East Hampton WPCA	NTNC	64	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	3 Smith Street	East Hampton WPCA	NTNC	48	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	American Distilling & Manufacturing, Inc	East Hampton WPCA	NTNC	55	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	Brooks Plaza	East Hampton WPCA	NTNC	67	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	East Hampton Community Center	East Hampton WPCA	NTNC	26	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	East Hampton High School	East Hampton WPCA	NTNC	540	-	0.010	0.010	-	0.010		0.010	-	-	-	-	-	-	-	-	-	-
East Hampton	East Hampton Mall	East Hampton WPCA	NTNC	100	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
East Hampton	East Hampton Middle School	East Hampton WPCA	NTNC	459	-	0.007	0.007	-	0.007		0.007	-	-	-	-	-	-	-	-	-	-
East Hampton	Eversource Energy East Hampton Srvc Ctr	East Hampton WPCA	NTNC	80	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
East Hampton	Global Self Storage	East Hampton WPCA	NTNC	86	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	Lakeshore, LLC	CTWC	NTNC	94	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
East Hampton	Lakeview Court, LLC	East Hampton WPCA	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-

Table B-4: Central PWSMA - Five-Year (2023) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2023 Residential Demand	2023 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2023 Total ADD	Water Sold to Other Utility	2023 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
East Hampton	Markham Meadows Campground-Well #2	East Hampton WPCA	NTNC	49	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
East Hampton	Masonic Temple Assn of East Hampton	East Hampton WPCA	NTNC	75	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
East Hampton	McDonalds of East Hampton	East Hampton WPCA	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	Theater Square	East Hampton WPCA	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	Town of East Hampton	East Hampton WPCA	NTNC	37	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hartford	Metropolitan District Commission	MDC	C-Large	48,759	3.836	1.698	5.534	0.831	6.365	-	6.365	-			-	11.794	5.429				-
East Hartford	Cumberland Farms #4647	MDC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haven	SCCRWA	SCCRWA	C-Large	27,723	1.442	0.982	2.424	0.269	2.693	-	2.693	11.800			11.800	17.883	26.990				0.000
East Haven	250 Bradley Street	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Windsor	East Windsor Housing Authority	CTWC	C	94	0.007	-	0.007	-	0.007	-	0.007	0.022			0.022						0.015
East Windsor	Markowski Farms	CTWC	C	155	0.012	-	0.012	-	0.012	-	0.012	0.038			0.038						0.026
East Windsor	School Hill Association, Inc.	CTWC	C	77	0.007	-	0.007	-	0.007	-	0.007	0.013			0.013						0.006
East Windsor	CTWC - Northern Reg-Western System	CTWC	C-Large	4,831	0.328	0.160	0.488	0.081	0.570	-	0.570	2.115	0.040	-	2.155	-	1.458	-	-	0.002	0.128
East Windsor	Hazardville Water Company	Hazardville Water Company	C-Large	41	0.003	0.002	0.005	0.000	0.005	0.002	0.003	-	-	0.040	(0.040)	0.005					(0.038)
East Windsor	Chesters Plaza	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Windsor	Deep - Flaherty Field Trial Area	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Windsor	East Windsor Park Snack Bar	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Windsor	First Congregational Church of E Windsor	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Windsor	Golden Irenes Restaurant	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Windsor	Kingdom Hall of Jehovahs Witnesses	CTWC	NC	90	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Windsor	Mulnite Farms	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Windsor	Bassdale Plaza - Well #1	CTWC	NTNC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Windsor	Sophias Plaza Ii/III	CTWC	NTNC	40	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Ellington	Meadowbrook Apartments, LLC	CTWC	C	60	0.005	-	0.005	-	0.005	-	0.005	0.050			0.050						0.046
Ellington	CTWC - Northern Reg-Western System	CTWC	C-Large	7,714	0.524	0.180	0.704	0.130	0.834	-	0.834	0.270	-	-	0.270	0.564	-	-	-	-	-
Ellington	Crystal Lake Community Methodist Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Ellington	Crystal Lake Plaza	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Ellington	Ellington Ridge Country Club	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Ellington	Luann's Bakery And Cafe	CTWC	NC	60	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Ellington	Rolling Meadows Country Club	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Ellington	Sj Ranch, Inc. (Well #1 - Kitchen)	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Ellington	Sj Ranch, Inc. (Well #2 - Overlook)	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Ellington	Sj Ranch, Inc. (Well #3 - Ranch House)	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Ellington	Crystal Lake School	CTWC	NTNC	275	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Enfield	Shaker Heights Water Company	CTWC	C	172	0.014	-	0.014	-	0.014	-	0.014	0.050			0.050						0.036
Enfield	Connecticut Correctional Institute	CTWC	C-Large	2,397	0.218	0.025	0.243	0.083	0.326	-	0.326	0.650	-	-	0.650	-	-	-	-	-	0.324
Enfield	CTWC - Northern Reg-Western System	CTWC	C-Large	20,573	1.399	0.520	1.919	0.346	2.264	-	2.264	4.695	-	-	4.695	-	0.633	-	-	-	1.798
Enfield	Hazardville Water Company	Hazardville Water Company	C-Large	17,262	1.071	0.200	1.271	0.152	1.423	-	1.423	4.435	-		4.435		0.088				2.924
Enfield	117 Hazard Avenue	Hazardville Water Company	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Enfield	Collins Creamery	Hazardville Water Company	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Enfield	Faith Baptist Church (Well #1)	Hazardville Water Company	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Enfield	Faith Baptist Church (Well #2)	Hazardville Water Company	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Enfield	Grassmere Country Club	Hazardville Water Company	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Enfield	Kingdom Hall of Jehovahs Witness	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Essex	Hemlock Apartments	CTWC	C	72	0.002	-	0.002	-	0.002	-	0.002	0.026			0.026						0.024
Essex	Heritage Cove Condominiums	CTWC	C	208	0.016	-	0.016	-	0.016	-	0.016	0.050			0.050						0.034
Essex	Meadowbrook Manor LLC	CTWC	C	30	0.002	-	0.002	-	0.002	-	0.002	0.010			0.010						0.008
Essex	CTWC - Shoreline Region-Chester System	CTWC	C-Large	2,373	0.142	0.065	0.207	0.031	0.237	-	0.237	0.140	-	-	0.140	0.237					0.140
Essex	Middlesex Medical Center (Essex)	CTWC	NC	40	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Essex	Shoreline Professional Center	CTWC	NC	38	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-

Table B-4: Central PWSMA - Five-Year (2023) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2023 Residential Demand	2023 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2023 Total ADD	Water Sold to Other Utility	2023 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Essex	Bolderdash	CTWC	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Essex	Kindercare of Essex	CTWC	NTNC	92	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Essex	L.C. Doane Co.	CTWC	NTNC	74	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Farmington	CTWC - Chimney Hill	CTWC	C	227	0.023	-	0.023	0.015	0.038	-	0.038	-	0.050	-	0.050	-	-	-	-	0.038	0.012
Farmington	Avon Water Co	Avon Water Company	C-Large	581	0.048	0.005	0.053	0.008	0.061	-	0.061	-	-		-	0.061					-
Farmington	CTWC - Unionville System	CTWC	C-Large	13,928	1.337	0.529	1.866	0.119	1.985		1.985	2.505	0.650		3.155					0.764	1.170
Farmington	Metropolitan District Commission	MDC	C-Large	3,052	0.240	0.909	1.149	0.052	1.201	0.802	0.398	-		0.700	(0.700)	1.201					0.102
Farmington	New Britain Water Department	New Britain Water Department	C-Large	1,000	0.075	0.180	0.255	0.016	0.271	-	0.271	-	-	-	-	0.271	-	-	-	-	-
Farmington	Valley Water Systems, Inc.	CTWC	C-Large	148	0.009	0.002	0.011	0.001	0.012	-	0.012	-	-	-	-	0.012					-
Farmington	1097 Farmington Avenue	CTWC	NC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Farmington	Carol's Lunchbox	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Farmington	Farmington Field Club	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Farmington	Farmington Polo Grounds	CTWC	NC	35	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Farmington	Riverfront Miniature Golf, Inc.	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Farmington	Winding Trails Recreation Assn - Lower	CTWC	NC	207	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Farmington	Winding Trails Recreation Assn - Upper	CTWC	NC	207	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Farmington	Farmington Club	CTWC	NTNC	100	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Glastonbury	Manchester Water Department	Manchester Water Department	C-Large	1,112	0.073	0.013	0.086	0.015	0.102	-	0.102	-	-		-	0.102	-	-	-	-	-
Glastonbury	Metropolitan District Commission	MDC	C-Large	26,147	2.057	1.357	3.415	0.446	3.860	0.447	3.413	-		1.100	(1.100)	3.860					(0.653)
Glastonbury	Dondero Orchards LLC	MDC	NC	29	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Glastonbury	E. Draghi & Sons, LLC	MDC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Glastonbury	Eastbury Pond	MDC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Glastonbury	Glastonbury Elks Club	MDC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Glastonbury	Glastonbury Hills Country Club	MDC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Glastonbury	J.B. Williams Park	MDC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Glastonbury	Robbs Farm LLC	MDC	NC	27	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Glastonbury	Roses Berry Farm	MDC	NC	40	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Glastonbury	Shah Properties LLC.	Manchester Water Department	NC	27	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Glastonbury	Eastbury School	MDC	NTNC	523	-	0.006	0.006	-	0.006		0.006	-	-	-	-	-	-	-	-	-	-
Glastonbury	Glastonbury Vehicle Maint. Garage	MDC	NTNC	41	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Glastonbury	Quality Name Plate	MDC	NTNC	85	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Granby	Aquarion Water Co of CT-Simsbury System	AWC	C-Large	920	0.091	0.031	0.122	0.022	0.144	-	0.144	-	-	-	-	0.144	-	-	-	-	-
Granby	Salmon Brook District Water Dept	AWC	C	934	0.070	0.063	0.133	0.029	0.162		0.162	0.269	-	-	0.269	-	-	-	-	-	0.107
Granby	496 Salmon Brook Street	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	565 Salmon Brook St - Granby	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	Bushy Hill Orchard	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	Granby Commons	AWC	NC	43	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Granby	Granby Motel	AWC	NC	25	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Granby	High Meadow Day Camp LLC	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	Holcomb Farms	AWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Granby	Jehovahs Witnesses	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	Life Church	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	Lost Acres Orchards	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	Old Mill Pond Village	AWC	NC	31	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	Pilgrim Covenant Church	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	St. Therese Roman Catholic Church Corp.	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	The Cambridge House	AWC	NC	40	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	West Granby United Methodist Church	AWC	NC	41	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	1 Salmon Brook Street - Granby	AWC	NTNC	80	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Granby	4 West Granby Road	AWC	NTNC	97	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Granby	First Congregational Church of Granby	AWC	NTNC	40	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	Kelly Lane Intermediate School	AWC	NTNC	357	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Granby	Monrovia Nurseries (Floydville)	AWC	NTNC	80	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Granby	Monrovia Nurseries (Salmon Brook)	AWC	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Granby	Wells Road Intermediate School	AWC	NTNC	405	-	0.006	0.006	-	0.006		0.006	-	-	-	-	-	-	-	-	-	-

Table B-4: Central PWSMA - Five-Year (2023) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2023 Residential Demand	2023 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2023 Total ADD	Water Sold to Other Utility	2023 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Guilford	Quonnipaug Hills - Main System	CTWC	C	564	0.042	-	0.042	-	0.042	-	0.042	0.048			0.048						0.005
Guilford	Quonnipaug Hills - Section I	CTWC	C	27	0.002	-	0.002	-	0.002	-	0.002	0.010			0.010						0.008
Guilford	CTWC - Shoreline Region-Guilford System	CTWC	C-Large	10,300	0.585	0.228	0.813	0.178	0.991	-	0.991	0.760	1.000	-	1.760	0.116				0.116	0.884
Guilford	2311 Boston Post Road - Guilford	CTWC	NC	33	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Guilford	Anthonys of Guilford	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Guilford	Bittner Park	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Guilford	Lake Quonnipaug	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Guilford	New Haven Sportsman's Club Inc.	CTWC	NC	50	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Guilford	St Johns Episcopal Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Guilford	The Little Store	CTWC	NC	31	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Guilford	Guilford Veterinary Hospital	CTWC	NTNC	33	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Guilford	Melissa Jones School	CTWC	NTNC	484	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Guilford	North Guilford Congregational Church	CTWC	NTNC	40	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Guilford	Todays Plaza, LLC	CTWC	NTNC	54	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	High Meadow	CTWC	C	38	0.003	-	0.003	-	0.003	-	0.003	0.011			0.011						0.008
Haddam	Saybrook At Haddam	CTWC	C	155	0.012	-	0.012	-	0.012	-	0.012	0.019			0.019						0.008
Haddam	106 Bridge Road - Haddam	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	1564 Saybrook Road	CTWC	NC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	201 Saybrook Road	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	40 Saybrook Road	CTWC	NC	27	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	986 Killingworth Rd Plaza	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Brainard Memorial Library	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Camp Bethel	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Dinos Pizza Restaurant	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Gas Plus	CTWC	NC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Haddam Commons	CTWC	NC	200	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Haddam Meadows S.P.	CTWC	NC	780	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Haddam	Haddam Neck Congregational Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Haddam Neck Fair Hall	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Haddam Restaurant	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Haddam Senior Center	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Haddam Town Office Building	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Haddam Volunteer Fire Station #1	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Higganum Congregational Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Higgies Food And Ice Cream, LLC	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Little City Campground	CTWC	NC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Middlesex Extension Services	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Saybrook Road LLC	CTWC	NC	27	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	St Peters Church	CTWC	NC	26	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	The Blue Oar	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	The Haddam Neck Fair Association, Inc.	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	The Riverhouse At Goodspeed Station	CTWC	NC	304	-	0.009	0.009	-	0.009		0.009	-	-	-	-	-	-	-	-	-	-
Haddam	Three Oaks Plaza	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Tylerville Village 1	CTWC	NC	35	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Tylerville Village 2	CTWC	NC	35	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Veselak LLC	CTWC	NC	31	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	95 Bridge Road - Haddam	CTWC	NTNC	65	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Burr District Elementary School	CTWC	NTNC	528	-	0.006	0.006	-	0.006		0.006	-	-	-	-	-	-	-	-	-	-
Haddam	First Congregational Church of Haddam	CTWC	NTNC	61	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Haddam Elementary School	CTWC	NTNC	350	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Haddam	Haddam-Killingworth High School	CTWC	NTNC	850	-	0.015	0.015	-	0.015		0.015	-	-	-	-	-	-	-	-	-	-
Haddam	Village Shopping Center	CTWC	NTNC	32	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Young Horizons Daycare	CTWC	NTNC	60	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Hamden	SCCRWA	SCCRWA	C-Large	58,351	3.034	2.067	5.101	0.567	5.668	-	5.668	13.100			13.100		0.037				7.395
Hamden	Brooksvale Park - Field House	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hamden	Brooksvale Park-Veterans' Memorial Bldg	SCCRWA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Hamden	Church of The Ascension	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hamden	YMCA - Camp Mountain Laurel	SCCRWA	NC	180	-	0.009	0.009	-	0.009		0.009	-	-	-	-	-	-	-	-	-	-
Hamden	The Carrot Patch	SCCRWA	NTNC	52	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Hartford	Metropolitan District Commission	MDC	C-Large	135,894	10.692	4.731	15.423	2.316	17.740	-	17.740	-			-	39.419	21.679				(0.000)

Table B-4: Central PWSMA - Five-Year (2023) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2023 Residential Demand	2023 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2023 Total ADD	Water Sold to Other Utility	2023 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Hebron	Abby Water LLC	CTWC	C	100	0.008	-	0.008	-	0.008	-	0.008	0.027			0.027						0.020
Hebron	CTWC - Amston Lake Division	CTWC	C	910	0.028	-	0.028	-	0.028	-	0.028	0.044			0.044						0.016
Hebron	CTWC - Country Manor Apartments	CTWC	C	72	0.003	-	0.003	-	0.003	-	0.003	0.027			0.027						0.024
Hebron	CTWC - London Park Division	CTWC	C	221	0.008	-	0.008	0.001	0.010	-	0.010	0.050			0.050						0.040
Hebron	CTWC - Mill At Stonecroft Div	CTWC	C	127	0.008	-	0.008	-	0.008	-	0.008	0.036			0.036						0.027
Hebron	CTWC - Wellswood Village Div	CTWC	C	60	0.003	-	0.003	-	0.003	-	0.003	0.016			0.016						0.013
Hebron	Hebron Arms Apartments	CTWC	C	39	0.001	-	0.001	-	0.001	-	0.001	0.019			0.019						0.018
Hebron	Hillside Condominiums	CTWC	C	96	0.003	-	0.003	-	0.003	-	0.003	0.050			0.050						0.047
Hebron	Wellswood Estates Foundation, Inc.	CTWC	C	112	0.008	-	0.008	-	0.008	-	0.008	0.022			0.022						0.013
Hebron	CTWC - Hebron Center Division	CTWC	C	235	0.012	0.018	0.030	0.001	0.031	-	0.031	0.050	-	-	0.050	-	-	-	-	-	0.019
Hebron	Blackledge Country Club	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Hebron	Blackledge East LLC	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hebron	Camp Hemlocks - Easter Seals (Core Well)	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Hebron	Church of The Holy Family	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hebron	Gay City State Park/Picnic Area Well	CTWC	NC	33	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hebron	Gilead Congregational Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hebron	Hebron Church of Hope	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hebron	Mary & Allies Restaurant	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Hebron	Paradise Farms Plaza	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hebron	St. Peters Episcopal Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hebron	Tallwood Country Club	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Hebron	Town of Hebron East Street Park	CTWC	NC	37	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hebron	Town Office Buildings	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Hebron	Twin Lakes Cafe	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hebron	CTWC - Christ Lutheran Church	CTWC	NTNC	128	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hebron	Gilead Hill School	CTWC	NTNC	391	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Hebron	Hebron Elementary School	CTWC	NTNC	475	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Hebron	Plaza Shopping Center	CTWC	NTNC	80	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	CTWC - Jensens Beechwood System	CTWC	C	750	0.030	-	0.030	-	0.030	-	0.030	0.050			0.050						0.020
Killingworth	M&M Realty Holdings LLC	CTWC	C	32	0.002	-	0.002	-	0.002	-	0.002	0.050			0.050						0.048
Killingworth	163 Route 81	CTWC	NC	35	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	177 Route 81	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	183 Route 81 LLC	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	206 Route 80	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	260 Route 80 - Killingworth	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	Chatfield Hollow S.P./Main Well	CTWC	NC	667	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Killingworth	Chatfield Hollow S.P./Shop Well	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	Country Squire Shoppes And Restaurant	CTWC	NC	31	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Killingworth	Deer Lake Scout Res.-Dining Hall Well 2	CTWC	NC	300	-	0.015	0.015	-	0.015		0.015	-	-	-	-	-	-	-	-	-	-
Killingworth	Deer Lake Scout Reservation	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Killingworth	Deer Lake Scout Reservation - Well 3	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Killingworth	Killingworth Cafe # 249	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	Killingworth Country Market	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Killingworth	Killingworth Library	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	Killingworth Town Hall	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Killingworth	Killingworth Village Center	CTWC	NC	27	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	Parmelee Farms	CTWC	NC	29	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	Sheldon Field	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	St Lawrence Church (Well 2)	CTWC	NC	26	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	St. Lawrence Church (Rec Hall) Well 1	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	The Cooking Company - Killingworth	CTWC	NC	37	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	Haddam Killingworth Inter/Middle School	CTWC	NTNC	874	-	0.013	0.013	-	0.013		0.013	-	-	-	-	-	-	-	-	-	-
Killingworth	Killingworth Congregational Church	CTWC	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Killingworth	Killingworth Elementary School	CTWC	NTNC	543	-	0.006	0.006	-	0.006		0.006	-	-	-	-	-	-	-	-	-	-
Killingworth	Killingworth Kids Center	CTWC	NTNC	64	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-

Table B-4: Central PWSMA - Five-Year (2023) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2023 Residential Demand	2023 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2023 Total ADD	Water Sold to Other Utility	2023 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Lyme	1 Ferry Road	Town of Lyme	NC	35	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Lyme	Camp Claire, Inc.	Town of Lyme	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Lyme	Lyme Consolidated School	Town of Lyme	NTNC	205	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Madison	CTWC - Green Springs System	CTWC	C	104	0.004	-	0.004	0.000	0.004	-	0.004	0.028			0.028						0.024
Madison	CTWC - Legend Hill System	CTWC	C	247	0.009	0.004	0.013	0.001	0.014		0.014	0.050			0.050						0.036
Madison	CTWC - Shoreline Region-Guilford System	CTWC	C-Large	8,300	0.471	0.184	0.655	0.144	0.799	-	0.799	-	-	-	-	0.914	0.116				-
Madison	Camp Laurelwood	CTWC	NC	400	-	0.020	0.020	-	0.020		0.020	-	-	-	-	-	-	-	-	-	-
Madison	Christ Chapel	CTWC	NC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Madison	Church of Latter Day Saints, Madison	CTWC	NC	172	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Madison	Circle Pizza	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Madison	Kleins Golf Range	CTWC	NC	31	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Madison	1 Orchard Park Industrial Area	CTWC	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Madison	15 Orchard Park Industrial Area	CTWC	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Madison	227 Horse Pond Road - Madison	CTWC	NTNC	55	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Madison	Educational Playcare Ltd	CTWC	NTNC	73	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Madison	Madison Commons	CTWC	NTNC	28	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Madison	North Madison Congregational Church	CTWC	NTNC	35	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Madison	North Madison Shopping Center	CTWC	NTNC	60	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Madison	Orchard Park Ind. Area - 50 Mungertown	CTWC	NTNC	40	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Madison	St. Andrews Episcopal Church	CTWC	NTNC	40	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Madison	Summer Hill Nurseries	CTWC	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Madison	Temple Beth Tikvah	CTWC	NTNC	170	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Madison	The Country School, Inc.	CTWC	NTNC	360	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Madison	The Learning Tree of Madison, LLC	CTWC	NTNC	61	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Manchester	CTWC - Redwood Farms Division	Manchester Water Department	C	424	0.015	-	0.015	0.000	0.015	-	0.015	0.050			0.050			0.000			0.035
Manchester	CTWC - Northern Reg-Western System	CTWC	C-Large	0	-	0.003	0.003	-	0.003	-	0.003	-	-	-	-	0.003	-	-	-	-	-
Manchester	Manchester Water Department	Manchester Water Department	C-Large	55,495	3.659	1.138	4.797	0.847	5.643	0.005	5.638	9.179	-	0.007	9.172	-	0.112	-	-	-	3.422
Manchester	Metropolitan District Commission	MDC	C-Large	970	0.076	-	0.076	0.017	0.093	-	0.093	-			-	0.093					-
Manchester	622 Middle Turnpike East	Manchester Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Manchester	801A Hartford Road	Manchester Water Department	NC	33	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Manchester	Girl Scouts of CT - Camp Merrie-Wood	Manchester Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Manchester	Manchester Cong. of Jehovahs Witnesses	Manchester Water Department	NC	222	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Manchester	Unitarian Universalist Church	Manchester Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Manchester	Birch Mountain Day School	Manchester Water Department	NTNC	83	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Manchester	CTWC - Buckland Road Service Area	Manchester Water Department	NTNC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Manchester	Elisabeth M. Bennet Academy	Manchester Water Department	NTNC	536	-	0.008	0.008	-	0.008		0.008	-	-	-	-	-	-	-	-	-	-
Manchester	Manchester Packing Company, Inc.	Manchester Water Department	NTNC	34	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Manchester	Shady Glen Restaurant	Manchester Water Department	NTNC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Mansfield	Ah 2 LLC (formerly Woods Edge Apartments, LLC)	CTWC	C	96	0.004	-	0.004	-	0.004	-	0.004	0.019			0.019						0.016
Mansfield	Aquarion Water Co of CT-Valley View	AWC	C	131	0.006	-	0.006	0.000	0.006	-	0.006	0.013			0.013						0.007
Mansfield	Carriage House Apartments	CTWC	C	196	0.015	-	0.015	-	0.015	-	0.015	0.050			0.050						0.035
Mansfield	Club House Apartments	CTWC	C	115	0.009	-	0.009	-	0.009	-	0.009	0.014			0.014						0.005
Mansfield	CTWC - Birchwood Heights	CTWC	C	76	0.002	-	0.002	0.000	0.002	-	0.002	0.015			0.015						0.013
Mansfield	CTWC - Crystal Springs Div.	CTWC	C	169	0.006	-	0.006	-	0.006	-	0.006	0.021			0.021						0.015
Mansfield	CTWC - Pinewoods Lane Div	Windham Water Works	C	68	0.001	-	0.001	-	0.001	-	0.001	0.019			0.019						0.018
Mansfield	Hunting Lodge Apartments	CTWC	C	115	0.009	-	0.009	-	0.009	-	0.009	0.035			0.035						0.026
Mansfield	Knollwood Acres Apartments	CTWC	C	312	0.023	-	0.023	-	0.023	-	0.023	0.050			0.050						0.027

Table B-4: Central PWSMA - Five-Year (2023) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2023 Residential Demand	2023 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2023 Total ADD	Water Sold to Other Utility	2023 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Mansfield	Mansfield Village, LLC	CTWC	C	40	0.002	-	0.002	-	0.002	-	0.002	0.010			0.010						0.009
Mansfield	Maplewood Apartments	CTWC	C	153	0.011	-	0.011	-	0.011	-	0.011	0.025			0.025						0.013
Mansfield	Orchard Acres Association	CTWC	C	176	0.013	-	0.013	-	0.013	-	0.013	0.032			0.032						0.019
Mansfield	Renwood Apartments	CTWC	C	190	0.014	-	0.014	-	0.014	-	0.014	0.050			0.050						0.036
Mansfield	Rockridge Condominiums	CTWC	C	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mansfield	White Oak Condominiums	CTWC	C	192	0.014	-	0.014	-	0.014	-	0.014	0.037			0.037						0.022
Mansfield	CTWC - Northern Reg-Western System	CTWC	C-Large	1,478	0.102	0.120	0.222	0.025	0.246	-	0.246	-	-	1.500	(1.500)	0.246	0.030	-	-	-	(1.530)
Mansfield	University of Connecticut - Main Campus	Stage Agency Existing Service Area (UConn)	C-Large	12,699	0.415	0.725	1.140	0.060	1.200	-	1.200	1.480	1.500	-	2.980	-	-	-	-	-	1.780
Mansfield	Windham Water Works	Windham Water Works	C-Large	2871	0.157	0.124	0.281	0.043	0.324	-	0.324	4.100	-	-	4.100	-	1.965	-	-	-	1.811
Mansfield	1768 Storrs Road	CTWC	NC	42	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	1St Baptist Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	452 Stafford Road - The Deli Club	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	466 Storrs Rd	Windham Water Works	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	603 Middle Turnpike - Mansfield	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	847 Stafford Road	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	873 Stafford Road - Mansfield	CTWC	NC	32	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Bicentennial Park	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Camp Holiday Hill	CTWC	NC	132	-	0.007	0.007	-	0.007		0.007	-	-	-	-	-	-	-	-	-	-
Mansfield	Coyote Flaco	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Mansfield	Cumberland Farms	CTWC	NC	33	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	First Church of Christ In Mansfield	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Holiday Mall	CTWC	NC	45	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Lions Park	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Lucky Strike Lanes, Inc.	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Mansfield Drive-In	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Mansfield Library Buchanan Center	Windham Water Works	NC	217	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Mansfield	Mansfield Marketplace	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Mansfield X-Tra Mart	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Public America/Mansfield Aquasition	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Red Barn Creamery	CTWC	NC	28	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Spring Hill Cafe LLC	CTWC	NC	72	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Thompsons General Store	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Mansfield	Toast Four Corners	CTWC	NC	316	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Mansfield	Annie E. Vinton School	CTWC	NTNC	313	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Mansfield	Community Childrens Center Inc.	CTWC	NTNC	52	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Mansfield	Goodwin Elementary School	CTWC	NTNC	340	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Mansfield	Mansfield Middle School	CTWC	NTNC	715	-	0.011	0.011	-	0.011		0.011	-	-	-	-	-	-	-	-	-	-
Mansfield	Mansfield Professional Park	CTWC	NTNC	100	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Mansfield	Mansfield Shopping Center	CTWC	NTNC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Mount Hope Montessori School	Windham Water Works	NTNC	88	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Mansfield	Oak Grove Montessori School	Windham Water Works	NTNC	77	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Mansfield	Perkins Corner	CTWC	NTNC	45	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Mansfield	Southeast School	Windham Water Works	NTNC	311	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Marlborough	Aquarion Water Co of CT-Birchwood Estate	Town of Marlborough	C	251	0.012	-	0.012	0.011	0.023	-	0.023	0.010			0.010						(0.014)
Marlborough	CTWC - Florence Lord (Mash)	Town of Marlborough	C	30	0.001	-	0.001	-	0.001	-	0.001	0.034			0.034						0.033
Marlborough	CTWC - Forest Homes Division	Town of Marlborough	C	100	0.005	-	0.005	-	0.005	-	0.005	0.005			0.005						0.001
Marlborough	CTWC - Marlborough Gardens	Town of Marlborough	C	110	0.004	-	0.004	-	0.004	-	0.004	0.024			0.024						0.020
Marlborough	CTWC - Sachem Village Condo	Town of Marlborough	C	166	0.005	-	0.005	0.001	0.006	-	0.006	0.050			0.050						0.044
Marlborough	Hillside Corporation	Town of Marlborough	C	136	0.010	-	0.010	-	0.010	-	0.010	0.018			0.018						0.008

Table B-4: Central PWSMA - Five-Year (2023) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2023 Residential Demand	2023 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2023 Total ADD	Water Sold to Other Utility	2023 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Marlborough	Laurel Hill Water Association	Town of Marlborough	C	86	0.006	-	0.006	-	0.006	-	0.006	0.024			0.024						0.017
Marlborough	Marlborough Health Care Center, Inc	Town of Marlborough	C	165	0.012	-	0.012	-	0.012	-	0.012	0.028			0.028						0.016
Marlborough	17 North Main Street	Town of Marlborough	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Marlborough	American Legion Post 197	Town of Marlborough	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	Deep Eastern District Headquarters	Town of Marlborough	NC	53	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	Fellowship Community Church	Town of Marlborough	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Marlborough	Hartford County 4-H Camp	Town of Marlborough	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	J&S Enterprise LLC	Town of Marlborough	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Marlborough	Jessica's Garden	Town of Marlborough	NC	36	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	Liberty Bank	Town of Marlborough	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Marlborough	Marlborough Country Barn# 1	Town of Marlborough	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Marlborough	Marlborough Country Barn# 2	Town of Marlborough	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Marlborough	Marlborough Pizza Restaurant	Town of Marlborough	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	Marlborough Professional Center	Town of Marlborough	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	Marlborough Town Hall	Town of Marlborough	NC	38	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	St John Fisher Church	Town of Marlborough	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Marlborough	The Farm At Carter Hill	Town of Marlborough	NC	31	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Marlborough	Discovery Learning Center	Town of Marlborough	NTNC	70	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	Kids Club Child Care&Nursery Sch Ctr LLC	Town of Marlborough	NTNC	44	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Marlborough	Marlborough Congregational Church	Town of Marlborough	NTNC	97	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	Marlborough Municipal Water System	Town of Marlborough	NTNC	963	-	0.018	0.018	-	0.018		0.018	-	-	-	-	-	-	-	-	-	-
Marlborough	Middlesex Hosp. Marlborough Medical Ctr.	Town of Marlborough	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	Schneider Electric Motion USA	Town of Marlborough	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	The Diversified Group	Town of Marlborough	NTNC	65	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Meriden	Meriden Water Division	Meriden Water Division	C-Large	60,461	4.021	1.115	5.136	1.284	6.420	0.002	6.418	6.110	-	-	6.110	3.316	0.040	-	-	-	2.968
Meriden	New Life Church, Inc.	Meriden Water Division	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Meriden	The Meriden YMCA Outdoor Center	Meriden Water Division	NC	100	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Meriden	The Meriden YMCA Outdoor Center - Well 3	Meriden Water Division	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middlefield	Bittersweet Ridge Water Association	Town of Middlefield	C	40	0.003	-	0.003	-	0.003	-	0.003	0.010			0.010						0.007
Middlefield	Lakeview Estates	Town of Middlefield	C	78	0.006	-	0.006	-	0.006	-	0.006	0.050			0.050						0.044
Middlefield	Middlefield Housing Authority	Town of Middlefield	C	62	0.005	-	0.005	-	0.005	-	0.005	0.009			0.009						0.004
Middlefield	Old Indian Trail	Town of Middlefield	C	32	0.002	-	0.002	-	0.002	-	0.002	0.013			0.013						0.011
Middlefield	Reja - Rainbow Spring Water Company	Town of Middlefield	C	11	0.003	-	0.003	-	0.003	-	0.003	0.050			0.050						0.047
Middlefield	Sylvan Ridge Condominiums	Town of Middlefield	C	84	0.006	-	0.006	-	0.006	-	0.006	0.039			0.039						0.033
Middlefield	Middletown Water Department	Town of Middlefield	C-Large	20	0.001	0.025	0.027	0.005	0.031	-	0.031	-	-	0.220	(0.220)	0.031	-	-	-	-	(0.220)
Middlefield	108 Main Street	Town of Middlefield	NC	29	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middlefield	144 Meriden Rd	Town of Middlefield	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-

Table B-4: Central PWSMA - Five-Year (2023) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2023 Residential Demand	2023 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2023 Total ADD	Water Sold to Other Utility	2023 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Middlefield	Calvi Building	Town of Middlefield	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middlefield	Coginchaug Market	Town of Middlefield	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Middlefield	Golf Center At Lyman Orchards	Town of Middlefield	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middlefield	Guidas Drive-In Restaurant	Town of Middlefield	NC	40	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Middlefield	Indian Spring Golf Course	Town of Middlefield	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Middlefield	Levi Coe Library	Town of Middlefield	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middlefield	Lyman Orchards - Labor Camp	Town of Middlefield	NC	45	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Middlefield	Middlefield Administration Bldg	Town of Middlefield	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Middlefield	Middlefield Community Center & Firehouse	Town of Middlefield	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Middlefield	Peckham Park	Town of Middlefield	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middlefield	Red Dog Saloon	Town of Middlefield	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middlefield	Rovers Lodge	Town of Middlefield	NC	25	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Middlefield	St. Colman Church	Town of Middlefield	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middlefield	Victory Tabernacle Church	Town of Middlefield	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middlefield	Wadsworth Falls/Bathroom Well	Town of Middlefield	NC	527	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Middlefield	6 Way Road	Town of Middlefield	NTNC	78	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Middlefield	Cooper-Atkins Corp	Town of Middlefield	NTNC	86	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Middlefield	John Lyman School	Town of Middlefield	NTNC	285	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Middlefield	Lyman Orchard Country Farms Complex	Town of Middlefield	NTNC	84	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Middlefield	Memorial Middle School	Town of Middlefield	NTNC	359	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Middlefield	Middlefield Federated Church	Town of Middlefield	NTNC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middlefield	Powder Ridge Ski Lodge-Main Bldg	Town of Middlefield	NTNC	100	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Middlefield	The Independent Day School	Town of Middlefield	NTNC	199	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Middlefield	The Rogers Manufacturing Company	Town of Middlefield	NTNC	100	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Middletown	Berlin Water Control Commission	Middletown Water Department	C-Large	15	0.001	-	0.001	-	0.001	-	0.001	-			-	0.001					-
Middletown	Connecticut Valley Hospital	Stage Agency Existing Service Area (CVH)	C-Large	816	0.072	0.229	0.301	-	0.301	-	0.301	0.693	-	-	0.693	-	-	-	-	-	0.392
Middletown	Meriden Water Division	Middletown Water Department	C-Large	10	0.001	-	0.001	0.000	0.001	-	0.001	-	-	-	-	0.001	-	-	-	-	-
Middletown	Middletown Water Department	Middletown Water Department	C-Large	43,362	2.775	0.811	3.586	0.633	4.219	-	4.219	7.254	-	-	7.254	-	0.031	-	-	-	3.004
Middletown	Coyote Blue Restaurant	Middletown Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Middletown	Italian American Civic Order, Inc	Middletown Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Middletown	Middletown DOT Rest Area (I-91 North)	Middletown Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middletown	Miner Hills Family Golf LLC	Middletown Water Department	NC	29	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middletown	Ron McCutcheon Park	Middletown Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middletown	Kleen Energy Systems Inc	Middletown Water Department	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Middletown	NRG Middletown Operations	Middletown Water Department	NTNC	140	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Middletown	Pratt & Whitney	Middletown Water Department	NTNC	2,800	-	0.070	0.070	-	0.070		0.070	-	-	-	-	-	-	-	-	-	-
Milford	SCCRWA	SCCRWA	C-Large	55,024	2.861	1.949	4.810	0.534	5.345	-	5.345	-			-	5.345					-
Milford	Christ Redeemer Church	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Milford	Pickles Country Store & Deli	SCCRWA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
New Britain	New Britain Water Department	New Britain Water Department	C-Large	70,788	5.309	3.883	9.192	1.123	10.315	1.837	8.478	12.640	5.000	2.420	15.220	-	0.405	-	-	-	6.337
New Haven	SCCRWA	SCCRWA	C-Large	135,046	7.022	4.783	11.806	1.312	13.118	-	13.118	-			-	24.839	11.721				(0.000)
Newington	Metropolitan District Commission	MDC	C-Large	28,281	2.225	0.985	3.210	0.482	3.692	-	3.692	-		0.500	(0.500)	3.707	0.016				(0.500)
Newington	New Britain Water Department	New Britain Water Department	C-Large	1,000	0.075	0.020	0.095	0.016	0.111	-	0.111	-	-	-	-	0.111	-	-	-	-	-
Newington	Gospel Hall	MDC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Newington	Hi-View Motel	MDC	NC	25	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Newington	Newington Va Medical Center-Bldgs 3 & 42	MDC	NC	43	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Newington	Newington Va Medical Center-Building 1	MDC	NTNC	110	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-

Table B-4: Central PWSMA - Five-Year (2023) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2023 Residential Demand	2023 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2023 Total ADD	Water Sold to Other Utility	2023 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Newington	Newington Va Medical Center-Building 2C	MDC	NTNC	80	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Newington	Newington Va Medical Center-Building 2E	MDC	NTNC	335	-	0.007	0.007	-	0.007		0.007	-	-	-	-	-	-	-	-	-	-
North Branford	Blue Trails Water Association	SCCRWA	C	228	0.017	-	0.017	-	0.017	-	0.017	0.041			0.041						0.024
North Branford	Northford Glen Condominium Association	SCCRWA	C	84	0.006	-	0.006	-	0.006	-	0.006	0.050			0.050						0.044
North Branford	SCCRWA	SCCRWA	C-Large	6,650	0.346	0.236	0.581	0.065	0.646	-	0.646	35.000			35.000		20.703				13.651
North Branford	1409 Middletown Av. (Wells Fargo Bank)	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	1872 Middletown Avenue	SCCRWA	NC	29	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	1874 Middletown Avenue	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	531 Forest Road - N. Branford	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	Eventus Catering	SCCRWA	NC	44	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
North Branford	Joseph Diglio Properties	SCCRWA	NC	45	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	Mobil Station/Northford Foodmart	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	Northford Congregational Church	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	Northford Plaza Realty Group	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	Northford Shopping Center	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	Rite Aid	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	Rosabianca Vineyards	SCCRWA	NC	36	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
North Branford	Saint Ambrose Parish Corporation	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	5 Ardsley Avenue	SCCRWA	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
North Branford	Tilcon Connecticut Inc. - North Branford	SCCRWA	NTNC	38	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
North Haven	SCCRWA	SCCRWA	C-Large	22,151	1.152	0.785	1.936	0.215	2.152	-	2.152	-			-	2.152					-
North Haven	Pond Hill Baptist Church	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Haven	The Only Game In Town	SCCRWA	NC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Boxwood Condominium Association	CTWC	C	28	0.002	-	0.002	-	0.002	-	0.002	0.011			0.011						0.009
Old Lyme	Chadwick Homeowners Assn., Inc.	CTWC	C	292	0.022	-	0.022	-	0.022	-	0.022	0.050			0.050						0.028
Old Lyme	Laurel Heights Association, Inc.	CTWC	C	45	0.003	-	0.003	-	0.003	-	0.003	0.009			0.009						0.005
Old Lyme	Lyme Academy Apartments,LLC	CTWC	C	48	0.004	-	0.004	-	0.004	-	0.004	0.050			0.050						0.046
Old Lyme	Lyme Regis, Inc.	CTWC	C	32	0.002	-	0.002	-	0.002	-	0.002	0.009			0.009						0.007
Old Lyme	Lymewood Elderly Housing	CTWC	C	50	0.004	-	0.004	-	0.004	-	0.004	0.050			0.050						0.046
Old Lyme	Miami Beach Water Company	CTWC	C	440	0.033	-	0.033	-	0.033	-	0.033	0.050			0.050						0.017
Old Lyme	Mile Creek Apartments	CTWC	C	60	0.005	-	0.005	-	0.005	-	0.005	0.014			0.014						0.010
Old Lyme	Rye Field Manor Elderly Housing	CTWC	C	78	0.006	-	0.006	-	0.006	-	0.006	0.016			0.016						0.010
Old Lyme	CTWC - Shoreline Region-Point O Woods	CTWC	C-Large	929	0.031	0.000	0.031	0.013	0.045	-	0.045	0.111	-	-	0.111	-	-	-	-	-	0.066
Old Lyme	CTWC - Shoreline Region-Sound View	CTWC	C-Large	1,785	0.047	0.006	0.053	0.003	0.056	-	0.056	0.162	-	-	0.162	-	-	-	-	-	0.106
Old Lyme	34 Lyme Street	CTWC	NC	35	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	64-68 Lyme Street	CTWC	NC	36	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	85 Halls Road	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	A. C. Peterson's Drive-In	CTWC	NC	33	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Advanced Family Dentistry of Old Lyme	CTWC	NC	31	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	All Pro Automotive	CTWC	NC	35	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Bee & Thistle Inn	CTWC	NC	25	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Old Lyme	Black Hall Club	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Church of Christ The King	CTWC	NC	305	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	First Congregational Church of Old Lyme	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Florence Griswold Museum	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Graybill Properties, LLC	CTWC	NC	35	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Hains Park	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	High Hopes Therapeutic Riding Inc	CTWC	NC	44	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Jia Mei LLC	CTWC	NC	42	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Laysville Center Stores	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Lyme Art Association	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Lymes' Senior Ctr/Town Woods Park	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Old Lyme Country Club House	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Old Lyme Country Club- Pool Cabana	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-

Table B-4: Central PWSMA - Five-Year (2023) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2023 Residential Demand	2023 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2023 Total ADD	Water Sold to Other Utility	2023 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Old Lyme	Old Lyme Country Club- Tennis Court	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Old Lyme Inn	CTWC	NC	45	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Old Lyme	Old Lyme Library	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Old Lyme Pizza Palace Inc.	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Saint Anns Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Stellas	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	The Village Shops	CTWC	NC	33	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Deep Marine Headquarters	CTWC	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Eastport - West	CTWC	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Eastport - West 2	CTWC	NTNC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Eastport, LLC	CTWC	NTNC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Eastport-North	CTWC	NTNC	100	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Old Lyme	Learn	CTWC	NTNC	53	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Lyme Academy of Fine Arts	CTWC	NTNC	300	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Old Lyme	Old Lyme Childrens Learning Center, Inc	CTWC	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Old Lyme Marketplace	CTWC	NTNC	70	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Old Lyme Shopping Center	CTWC	NTNC	100	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Region 18 Schools - Lyme Street	CTWC	NTNC	1,102	-	0.020	0.020	-	0.020		0.020	-	-	-	-	-	-	-	-	-	-
Old Saybrook	CTWC - Shoreline Region-Guilford System	CTWC	C-Large	8,117	0.461	0.180	0.641	0.141	0.781	-	0.781	-	-	-	-	0.781					-
Old Saybrook	732 Middlesex Turnpike	CTWC	NC	200	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Saybrook	Old Saybrook VFW	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Saybrook	Pasta Vita	CTWC	NC	49	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Orange	SCCRWA	SCCRWA	C-Large	11,755	0.611	0.416	1.028	0.114	1.142	-	1.142	-			-	6.487	5.345				-
Orange	Cedarwood Professional Associates	SCCRWA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Plainville	Valley Water Systems, Inc.	Valley Water Systerms	C-Large	18,069	1.084	0.256	1.340	0.117	1.457	-	1.457	3.570	0.200	-	3.770		0.073		0.001	0.000	2.239
Plainville	Asia Darbar	Valley Water Systerms	NC	35	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Plainville	Valley W.S. North Mountain Pump Station	Valley Water Systerms	NTNC	0	-	0.001	0.001	-	0.001	-	0.001	-	-	-	-	-	-	0.001	-	0.001	-
Portland	CTWC - Rivercrest Division	Portland Water Department	C	88	0.002	-	0.002	-	0.002	-	0.002	0.050			0.050						0.048
Portland	Riverdale Properties, Inc.	Portland Water Department	C	96	0.007	-	0.007	-	0.007	-	0.007	0.050			0.050						0.043
Portland	Portland Water Department	Portland Water Department	C-Large	4,200	0.460	0.135	0.595	0.149	0.744	-	0.744	0.300	1.100	-	1.400	-	-	-	-	0.447	0.656
Portland	860 Portland Cobalt Road	Portland Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Portland	Axelrod Tire And Service Center	Portland Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Portland	Cove View Plaza	Portland Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Portland	Eggs Up Grill	Portland Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Portland	Portland Citgo	Portland Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Portland	St. Clements Estate- Banquet Hall System	Portland Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Portland	St. Clements Estate- Castle System	Portland Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Portland	Winchester Cafe	Portland Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Portland	Childrens Lighthouse Childcare	Portland Water Department	NTNC	36	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Rocky Hill	Metropolitan District Commission	MDC	C-Large	18,563	1.461	0.646	2.107	0.316	2.423	-	2.423	-			-	2.426	0.003				(0.000)
Simsbury	Ethel Walker School	AWC	C	325	0.024	-	0.024	-	0.024	-	0.024	0.050			0.050						0.026
Simsbury	Aquarion Water Co of CT-Simsbury System	AWC	C-Large	14,129	1.398	0.472	1.871	0.333	2.204	-	2.204	4.908	-	-	4.908	-	0.176	-	-	-	2.528
Simsbury	Avon Water Co	Avon Water Company	C-Large	454	0.038	0.122	0.159	0.006	0.165	-	0.165	-	-		-	0.165					-
Simsbury	Tariffville Fire District Water Dept	AWC	C-Large	1,371	0.082	0.016	0.098	0.009	0.107	-	0.107	0.252	-	-	0.252	-	-	-	-	-	0.145
Simsbury	1610-1616 Hopmeadow Street	AWC	NC	31	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-

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Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2023 Residential Demand	2023 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2023 Total ADD	Water Sold to Other Utility	2023 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Simsbury	Shepherd of The Hills Lutheran Church	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Simsbury	Talcott Mountain S.P.	AWC	NC	793	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Simsbury	Tower Ridge Country Club	AWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Simsbury	The Masters School	AWC	NTNC	372	-	0.006	0.006	-	0.006		0.006	-	-	-	-	-	-	-	-	-	-
Somers	Hazardville - Rye Hill System	Hazardville Water Company	C	352	0.025	-	0.025	0.003	0.028	-	0.028	-	0.100		0.100					0.028	0.072
Somers	Connecticut Correctional Institute	CTWC	C-Large	3,522	0.321	0.036	0.357	0.122	0.479	-	0.479	0.650	-	-	0.650	-	-	-	-	-	0.171
Somers	CTWC - Northern Reg-Western System	CTWC	C-Large	1,285	0.087	0.050	0.137	0.022	0.159	0.028	0.130	0.173	-	0.100	0.073	0.058	-	-	-	-	-
Somers	Hazardville Water Company	Hazardville Water Company	C-Large	1,007	0.062	0.012	0.074	0.009	0.083	-	0.083	-	-		-	0.083					-
Somers	Cedar Knob Golf Course	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Somers	Pleasant View Golf Ctr.	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Somers	Worthington Pond Farm	Hazardville Water Company	NC	262	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Somers	Grower Direct Farms Inc	Hazardville Water Company	NTNC	160	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Somers	Northfield Commons Association	CTWC	NTNC	80	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
South Windsor	CTWC - Northern Reg-Western System	CTWC	C-Large	12,860	0.874	0.350	1.224	0.216	1.440	-	1.440	0.368	-	-	0.368	1.073	-	-	-	-	-
South Windsor	Manchester Water Department	Manchester Water Department	C-Large	60	0.004	-	0.004	0.001	0.005	-	0.005	-	-		-	0.005	-	-	-	-	-
South Windsor	Metropolitan District Commission	MDC	C-Large	11,307	0.890	0.394	1.283	0.193	1.476	-	1.476	-			-	1.476					-
South Windsor	Fairway Miniature Golf And Batting Cages	MDC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
South Windsor	Messiah Lutheran Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
South Windsor	Learning Center, LLC.	MDC	NTNC	61	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
South Windsor	Mitchell Associates	CTWC	NTNC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Southington	Apple Valley Village	Southington Water Department	C	70	0.007	-	0.007	-	0.007	-	0.007	0.050			0.050						0.044
Southington	Meriden Water Division	Southington Water Department	C-Large	125	0.008	-	0.008	0.002	0.010	-	0.010	-	-	-	-	0.010	-	-	-	-	-
Southington	New Britain Water Department	New Britain Water Department	C-Large	0	-	0.001	0.001	-	0.001	-	0.001	-	-	-	-	0.001	-	-	-	-	-
Southington	Southington Water Department	Southington Water Department	C-Large	44,302	2.685	0.974	3.658	0.470	4.128	-	4.128	7.000	-	-	7.000	-	0.052	-	-	-	2.820
Southington	Valley Water Systems, Inc.	Southington Water Department	C-Large	763	0.046	0.011	0.057	0.005	0.062	-	0.062	-	-	-	-	0.062					-
Southington	1103 Queen Street, LLC	Southington Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Southington	1217 Queen St	Southington Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Southington	1226-1234 Queen St - Strip Mall	Southington Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Southington	Golf Quest - Southington	Southington Water Department	NC	28	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Southington	Hidden Valley Mini Golf - Batter Up	Southington Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Southington	Hollywood Lounge	Southington Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Southington	Panthorn Park Upper Restroom	Southington Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Southington	Perry Plaza	Southington Water Department	NC	32	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Southington	River Bend Plaza	Southington Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Southington	Rogers Orchards	Southington Water Department	NC	43	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Southington	Saints Drive-In Restaurant	Southington Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Southington	Southington Sportsman Assn., Inc.	Southington Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Johnson Memorial Hospital, Inc	CTWC	C	250	0.019	-	0.019	-	0.019	-	0.019	0.050			0.050						0.031
Stafford	Stafford Hollow Water Association	CTWC	C	429	0.032	-	0.032	-	0.032	-	0.032	0.050			0.050						0.018

Table B-4: Central PWSMA - Five-Year (2023) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2023 Residential Demand	2023 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2023 Total ADD	Water Sold to Other Utility	2023 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Stafford	CTWC - Northern Reg-Stafford System	CTWC	C-Large	2,321	0.139	0.326	0.465	0.089	0.554	-	0.554	0.700	-	-	0.700	-	-	-	-	-	0.146
Stafford	Bonnie - Jean's Kitchen	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Drp Properties LLC	CTWC	NC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Stafford	Mineral Springs Campground-System #1	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Mineral Springs Campground-System #2	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Ric's Place	CTWC	NC	27	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Roaring Brook Campgnd Coop/Pool/Rest/Rec	CTWC	NC	42	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Stafford	Roaring Brook Campground	CTWC	NC	35	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Stafford	Stafford Professional Suites	CTWC	NC	33	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Sun Valley Beach Club	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Stafford	Sun Valley Campground-System #1:Well194	CTWC	NC	50	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Stafford	Sun Valley Campground-System #2:Well 56	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Sun Valley Campground-System #3:Well 40	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Sun Valley Campground-System #4:Well 214	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Ttm Printed Circuit - Building 3A Annex	CTWC	NC	45	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Big Y Food Store	CTWC	NTNC	150	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Stafford	Big Y Satellite Stores	CTWC	NTNC	100	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Stafford	Brookside Professional Centre	CTWC	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Johnson Memorial Hospital- Cmec Building	CTWC	NTNC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	McDonalds Restaurant	CTWC	NTNC	34	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Stafford	Red Balloon Daycare	CTWC	NTNC	55	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Staffordville School	CTWC	NTNC	284	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Stafford	Ttm Printed Circuit - 15 Industrial Dr	CTWC	NTNC	120	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Stafford	Ttm Printed Circuit - 228 Upper Road	CTWC	NTNC	150	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Stafford	Ttm Printed Circuit - Building 5	CTWC	NTNC	51	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	West Stafford School	CTWC	NTNC	240	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Suffield	Aquarion Water Co of CT - W Service Corp	CTWC	C	595	0.042	0.000	0.043	0.003	0.046	-	0.046	0.050			0.050						0.004
Suffield	CTWC - Northern Reg-Western System	CTWC	C-Large	7,397	0.503	0.180	0.683	0.124	0.807	-	0.807	0.233	-	-	0.233	0.575	-	-	-	-	-
Suffield	1365 Mountain Road - Suffield	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Suffield	Airways Golf Course	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Suffield	Good Shepherd Lutheran Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Suffield	Sunrise Park - Pavilion	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Suffield	Sunrise Park - Superintendents House	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Suffield	VFW Post 9544	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Suffield	Baker Nurseries	CTWC	NTNC	200	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Tolland	Baxter Farms Community Water Assoc	Tolland Water Department	C	175	0.013	-	0.013	-	0.013	-	0.013	0.031			0.031						0.018
Tolland	Eastview Kozley Water Association	Tolland Water Department	C	60	0.005	-	0.005	-	0.005	-	0.005	0.018			0.018						0.014
Tolland	Ivy Woods	Tolland Water Department	C	207	0.006	-	0.006	-	0.006	-	0.006	0.050			0.050						0.044
Tolland	Norwegian Woods Apartments	Tolland Water Department	C	252	0.019	-	0.019	-	0.019	-	0.019	0.043			0.043						0.024
Tolland	Stone Pond Condominiums	Tolland Water Department	C	141	0.011	-	0.011	-	0.011	-	0.011	0.050			0.050						0.039
Tolland	Tolland Water Dept - Torry Road	Tolland Water Department	C	204	0.009	0.002	0.011	0.001	0.012	-	0.012	-	0.012		0.012					0.012	-
Tolland	Village At Crystal Springs	Tolland Water Department	C	172	0.005	-	0.005	-	0.005	-	0.005	0.029			0.029						0.024
Tolland	Woodland Summit Community Water Assn	CTWC	C	216	0.016	-	0.016	-	0.016	-	0.016	0.023			0.023						0.007

Table B-4: Central PWSMA - Five-Year (2023) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2023 Residential Demand	2023 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2023 Total ADD	Water Sold to Other Utility	2023 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Tolland	CTWC - Northern Reg-Western System	CTWC	C-Large	933	0.063	0.070	0.133	0.016	0.149	0.012	0.137	-	-	-	-	0.384	0.246	-	-	-	(0.000)
Tolland	Tolland Water Department	Tolland Water Department	C-Large	1,760	0.123	0.043	0.167	0.013	0.180	0.012	0.168	0.304	-	0.030	0.274	-	-	-	-	-	0.107
Tolland	167 Tolland Stage Road - Tolland	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Tolland	404 Merrow Road - Tolland	Tolland Water Department	NC	33	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Tolland	Crandalls Lodge	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Tolland	Crandalls Park	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Tolland	Cross Farms Complex	Tolland Water Department	NC	27	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Tolland	Del-Aire Campground - System #2, Well#2	CTWC	NC	50	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Tolland	Del-Aire Campground - System 1 (Store)	CTWC	NC	27	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Tolland	Girl Scouts of Ct, Inc (Dining Room)	Tolland Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Tolland	Girl Scouts of Ct, Inc. (Stone House)	Tolland Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Tolland	Seventh Day Adventist Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Tolland	Tolland Citgo	Tolland Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Tolland	First Baptist Church of Tolland	Tolland Water Department	NTNC	80	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Tolland	Miss Merry Mac's Daycare	Tolland Water Department	NTNC	64	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Tolland	State Police Barracks Troop C	Tolland Water Department	NTNC	70	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Tolland	Tolland Professional Center	CTWC	NTNC	26	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Tolland	U.S. Department of Agriculture - Tolland	Tolland Water Department	NTNC	36	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Vernon	CTWC - Northern Reg-Llynwood System	CTWC	C	192	0.006	-	0.006	-	0.006	-	0.006	0.020			0.020						0.014
Vernon	CTWC - Northern Reg-Reservoir Heights	CTWC	C	62	0.004	-	0.004	0.001	0.005	-	0.005	-	0.007		0.007					0.005	0.002
Vernon	Vernon Village Inc.	CTWC	C	430	0.032	-	0.032	-	0.032	-	0.032	0.050			0.050						0.018
Vernon	CTWC - Northern Reg-Western System	CTWC	C-Large	18,388	1.250	0.450	1.700	0.309	2.009	-	2.009	9.590	-	-	9.590	-	2.023	-	0.000	-	5.558
Vernon	Manchester Water Department	Manchester Water Department	C-Large	70	0.005	-	0.005	0.001	0.005	-	0.005	-	-		-	0.005	-	-	-	-	-
Vernon	500 East Plaza	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Vernon	Camp Newhoca	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Vernon	Camp Newhoca Park	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Vernon	Carlo Realty (458 Plaza)	CTWC	NC	50	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Vernon	Italian Social Club of Rockville	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Vernon	Little Marks Big Barbecue	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Vernon	Valley Falls Park	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Wallingford	Meriden Water Division	Wallingford Water Division	C-Large	80	0.005	0.018	0.023	0.006	0.029	-	0.029	-	-	-	-	0.029	-	-	-	-	-
Wallingford	Wallingford Water Division	Wallingford Water Division	C-Large	40,706	1.995	1.880	3.875	0.565	4.440	-	4.440	9.079	-	-	9.079	-	0.008	-	-	-	4.631
Wallingford	Blue Trail Rifle Range	Wallingford Water Division	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Wallingford	South Broad Street Service Area	Wallingford Water Division	NTNC	250	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	0.002	-
Wallingford	Tilcon Connecticut Inc. - Wallingford	Wallingford Water Division	NTNC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
West Hartford	Metropolitan District Commission	MDC	C-Large	60,648	4.772	2.534	7.305	1.034	8.339	0.422	7.917	77.100		5.650	71.450		46.969				16.564
West Haven	SCCRWA	SCCRWA	C-Large	53,890	2.802	1.909	4.711	0.523	5.235	-	5.235	-			-	11.721	6.487				(0.000)
Westbrook	Safe Harbor, Inc.	CTWC	C	50	0.004	-	0.004	-	0.004	-	0.004	0.050			0.050						0.046
Westbrook	CTWC - Shoreline Region-Guilford System	CTWC	C-Large	4,115	0.234	0.091	0.325	0.071	0.396	-	0.396	0.380	-	-	0.380	0.797	0.781				(0.000)
Westbrook	Kingdom Hall of Jehovahs Witness	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Westbrook	Clinton Nurseries - Primary System	CTWC	NTNC	100	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Westbrook	Clinton Nurseries - Secondary System	CTWC	NTNC	143	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-

Table B-4: Central PWSMA - Five-Year (2023) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2023 Residential Demand	2023 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2023 Total ADD	Water Sold to Other Utility	2023 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Westbrook	Pumpkin Patch Daycare	CTWC	NTNC	105	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Wethersfield	Metropolitan District Commission	MDC	C-Large	26,072	2.051	0.908	2.959	0.444	3.403	-	3.403	-			-	5.830	2.426				-
Wethersfield	The 798 Silas Deane Highway, LLC	MDC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Willington	Cedar Ridge Apartments	CTWC	C	300	0.023	-	0.023	-	0.023	-	0.023	0.017			0.017						(0.005)
Willington	CTWC - Riversedge Division	CTWC	C	179	0.006	0.003	0.009	0.003	0.012	-	0.012	-	0.030	-	0.030	-	-	-	-	0.012	0.018
Willington	Deer Park Apartments	CTWC	C	125	0.009	-	0.009	-	0.009	-	0.009	0.050			0.050						0.041
Willington	Natural Park Apartments, LLC	CTWC	C	60	0.005	-	0.005	-	0.005	-	0.005	0.043			0.043						0.039
Willington	North Willington Village Condo Assoc.	CTWC	C	66	0.005	-	0.005	-	0.005	-	0.005	0.029			0.029						0.024
Willington	Ridgeview Heights	CTWC	C	96	0.007	-	0.007	-	0.007	-	0.007	0.050			0.050						0.043
Willington	Walden Apartments	CTWC	C	276	0.021	-	0.021	-	0.021	-	0.021	0.050			0.050						0.029
Willington	CTWC - Northern Reg-Western System	CTWC	C-Large	400	0.030	-	0.030	-	0.030	-	0.030	-	-	-	-	0.030	-	-	-	-	-
Willington	Willington Ridge Condos - System #1	CTWC	C	102	0.008	-	0.008	-	0.008	-	0.008	0.017			0.017						0.010
Willington	Willington Ridge Condos - System #2	CTWC	C	102	0.008	-	0.008	-	0.008	-	0.008	0.015			0.015						0.007
Willington	Willington Senior Center & Housing	CTWC	C	32	0.002	-	0.002	-	0.002	-	0.002	0.039			0.039						0.036
Willington	Woodhaven Apartments	CTWC	C	489	0.037	-	0.037	-	0.037	-	0.037	0.030			0.030						(0.006)
Willington	12 Tolland Turnpike (Route 74)	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Willington	15 River Road Plaza	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Willington	39 Adamec Road	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Willington	Moose Meadow Campground	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Willington	Schofield Spring	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Willington	Wilderness Lake Campground & Resort	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Willington	Willington Dunkin Donuts	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Willington	Willington Mobil	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Willington	Willington Pizza House	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Willington	Willington Public Library	CTWC	NC	50	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Willington	Willington Rest Area (I-84 E&W)	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Willington	Willington Xtra Mart	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Willington	Fed Ex Ground	CTWC	NTNC	200	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Willington	Kids Kingdom Daycare Center	CTWC	NTNC	118	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Willington	Phelps Crossing Commercial	CTWC	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Willington	TA Travel Plaza	CTWC	NTNC	130	-	0.006	0.006	-	0.006		0.006	-	-	-	-	-	-	-	-	-	-
Windsor	Metropolitan District Commission	MDC	C-Large	29,663	2.334	1.059	3.393	0.506	3.899	0.026	3.872	-			-	4.055	0.157				0.026
Windsor Locks	CTWC - Northern Reg-Western System	CTWC	C-Large	12,396	0.843	0.331	1.174	0.208	1.382	-	1.382	-	-	-	-	1.458	0.076	-	-	0.026	-
Windsor Locks	Dem Produce And Garden Center	CTWC	NC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Windsor Locks	Donut Kettle	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Woodbridge	SCCRWA	SCCRWA	C-Large	1,882	0.098	0.067	0.165	0.018	0.183	-	0.183	9.200			9.200		3.864				5.153
Woodbridge	Church of Latter Day Saints, Woodbridge	SCCRWA	NC	220	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Woodbridge	Tennis Central	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Woodbridge	Tradition Golf Club At Oak Lane	SCCRWA	NC	43	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Woodbridge	Woodbridge Club	SCCRWA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Woodbridge	125-131 Bradley Road - Woodbridge	SCCRWA	NTNC	385	-	0.008	0.008	-	0.008		0.008	-	-	-	-	-	-	-	-	-	-

Table B-5: Central PWSMA - 20-Year (2030) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2030 Residential Demand	2030 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2030 Total ADD	Water Sold to Other Utility	2030 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Andover	Hop River Homes	AWC	C	26	0.002	-	0.002	-	0.002	-	0.002	0.038			0.038						0.036
Andover	Whispering Hills, LLC - Well A System	AWC	C	16	0.001	-	0.001	-	0.001	-	0.001	0.010			0.010						0.009
Andover	Whispering Hills, LLC - Well D System	AWC	C	48	0.004	-	0.004	-	0.004	-	0.004	0.050			0.050						0.046
Andover	7-Eleven #32523	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Andover	Andover Plaza	AWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Andover	Andover Town Hall & Fire Department	AWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Andover	First Congregational Church	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Andover	Xtra Mart Water Supply	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Andover	Andover Elementary School	AWC	NTNC	381	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Andover	Network, Inc.	AWC	NTNC	77	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Andover	Scott Electrokrafts	AWC	NTNC	45	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Avon	Avon Water Co	Avon Water Company	C-Large	11,974	0.996	0.394	1.390	0.158	1.547	0.057	1.491	4.777	-	0.650	4.127		0.237				2.399
Avon	CTWC - Naugatuck Reg-Collinsville Sys	CTWC	C-Large	1,177	0.083	0.003	0.086	0.001	0.087	-	0.087	-	0.650	-	0.650	-	-	-	-	0.057	0.563
Avon	CTWC - Unionville System	CTWC	C-Large	2,945	0.283	0.006	0.289	0.018	0.307	-	0.307	-	-	-	-	0.307	-	-		-	-
Avon	Farmington Valley Arc	Avon Water Company	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Avon	Talcott Mountain Science Center #1	Avon Water Company	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Avon	Talcott Mountain Science Center #2	Avon Water Company	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Berlin	Berlin Water Control Commission	Berlin Water Control Commission	C-Large	7,585	0.484	0.467	0.951	0.106	1.057	0.218	0.839	0.756	1.600	0.685	1.671		0.001			0.743	0.831
Berlin	Kensington Fire District	Kensington Fire District	C-Large	7,965	0.584	0.270	0.854	0.116	0.970	-	0.970	-	0.970	-	0.970	-	-	-	-	0.970	-
Berlin	New Britain Water Department	New Britain Water Department	C-Large	212	0.016	0.003	0.019	0.001	0.020	-	0.020	-	-	-	-	0.020	-	-	-	-	-
Berlin	Worthington Fire District	Worthington Fire District	C-Large	3,068	0.215	0.097	0.312	0.047	0.359	-	0.359	-	0.685		0.685					0.359	0.326
Berlin	Berlin Bowling Center	Berlin Water Control Commission	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Berlin	Safari Golf	Berlin Water Control Commission	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Berlin	Svea Social Club	Berlin Water Control Commission	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Berlin	Sunny Border Nursery	Berlin Water Control Commission	NTNC	135	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Berlin	Metropolitan District Commission	Berlin Water Control Commission	C-Large	163	0.013	-	0.013	0.003	0.016	-	0.016	-			-	0.016					-
Bethany	Bethany Mobile Home Park	SCCRWA	C	138	0.010	-	0.010	-	0.010	-	0.010	0.050			0.050						0.040
Bethany	SCCRWA	SCCRWA	C-Large	815	0.042	0.024	0.067	0.007	0.074	-	0.074	-			-	0.074					-
Bethany	119 Amity Road	SCCRWA	NC	28	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bethany	667-687 Amity Road	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bethany	Bethany Mart	SCCRWA	NC	100	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bethany	Bethany Volunteer Fire Dept Hq	SCCRWA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bethany	Billy's Ice Cream & Marketplace	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bethany	Christ Episcopal Church	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bethany	Country Corner Diner LLC	SCCRWA	NC	32	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bethany	First Church of Christ Congregational	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bethany	Steves Deli	SCCRWA	NC	102	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bethany	Teddy Bs	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bethany	Veterans Memorial Park Pavillion	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bethany	Woodhaven Country Club	SCCRWA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bethany	234 Amity Road	SCCRWA	NTNC	55	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bethany	41 Village Lane Office Park	SCCRWA	NTNC	33	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bethany	Amity Regional Junior High School	SCCRWA	NTNC	475	-	0.007	0.007	-	0.007		0.007	-	-	-	-	-	-	-	-	-	-
Bethany	Amity Village - Bethany 63 Plaza	SCCRWA	NTNC	65	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bethany	Bethany Town Center	SCCRWA	NTNC	750	-	0.011	0.011	-	0.011		0.011	-	-	-	-	-	-	-	-	-	-
Bethany	Laticrete International	SCCRWA	NTNC	75	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Bethany	M & M Properties	SCCRWA	NTNC	38	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bethany	State Police Barracks Troop I	SCCRWA	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bethany	The Graduate Institute	SCCRWA	NTNC	180	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-

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Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2030 Residential Demand	2030 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2030 Total ADD	Water Sold to Other Utility	2030 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Bloomfield	Grant Hill Associates, Inc.	MDC	C	97	0.007	-	0.007	-	0.007	-	0.007	0.045			0.045						0.038
Bloomfield	Juniper Club Inc.	MDC	C	104	0.008	-	0.008	-	0.008	-	0.008	0.027			0.027						0.019
Bloomfield	Orchard Hill Association	MDC	C	30	0.002	-	0.002	-	0.002	-	0.002	0.050			0.050						0.048
Bloomfield	Sharon Heights Water Association	MDC	C	51	0.004	-	0.004	-	0.004	-	0.004	0.032			0.032						0.029
Bloomfield	Metropolitan District Commission	MDC	C-Large	22,237	1.750	0.774	2.524	0.365	2.889	-	2.889	-			-	2.889					-
Bloomfield	J. C. C. Swim & Tennis Club	MDC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bloomfield	Penwood State Park/Main Park Well	MDC	NC	700	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Bolton	166 & 180 Boston Turnpike	CTWC	C	31	0.001	-	0.001	-	0.001	-	0.001	0.050			0.050						0.050
Bolton	890 Boston Turnpike	CTWC	C	60	0.005	-	0.005	-	0.005	-	0.005	0.032			0.032						0.028
Bolton	Cook Drive Association	CTWC	C	49	0.006	-	0.006	-	0.006	-	0.006	0.011			0.011						0.005
Bolton	CTWC - Northern Reg-Llynwood System	CTWC	C	192	0.006	-	0.006	-	0.006	-	0.006	0.020			0.020						0.014
Bolton	Southridge Park Apartments	CTWC	C	50	0.004	-	0.004	-	0.004	-	0.004	0.050			0.050						0.046
Bolton	Sunset Apartments LLC	CTWC	C	46	0.003	-	0.003	-	0.003	-	0.003	0.050			0.050						0.047
Bolton	1135 Boston Turnpike - Bolton	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	299 Boston Turnpike - Plaza	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	60 Villa Louisa - Villa Louisa/Rossittos	ESA Unassigned	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	A-One Food Store	ESA Unassigned	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	Bolton Congregational Church	ESA Unassigned	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	Bolton Gulf	CTWC	NC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	Bolton Ice Palace	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	Bolton Mobil	ESA Unassigned	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	Bolton Notch Plaza	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	Bolton Pizza	ESA Unassigned	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	Bolton Professional Bldg	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	Bolton Town Hall	Town of Bolton	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	Fish Family Farm	ESA Unassigned	NC	41	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	Georginas Pizza	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	Herrick Park	CTWC	NC	29	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	Our Place Restaurant	ESA Unassigned	NC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	Saint Maurice Church Well# 1	ESA Unassigned	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	Saint Maurice Church Well# 2	ESA Unassigned	NC	37	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	Three Js Cafe	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	United Methodist Church	CTWC	NC	35	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	Able Coil	CTWC	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	Bolton Center School (K-8)	Town of Bolton	NTNC	756	-	0.011	0.011	-	0.011		0.011	-	-	-	-	-	-	-	-	-	-
Bolton	Bolton High School	Town of Bolton	NTNC	304	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Bolton	Comcast Corporation	CTWC	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	Hans Christian Andersen Montessori	ESA Unassigned	NTNC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	Munson's Candy Kitchen	CTWC	NTNC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	Netsource, Inc.	ESA Unassigned	NTNC	75	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Bolton	Simoniz USA	CTWC	NTNC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	The Carlyle Johnson Machine Company	ESA Unassigned	NTNC	42	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Branford	SCCRWA	SCCRWA	C-Large	29,916	1.556	0.893	2.448	0.272	2.720	0.116	2.604	-		1.000	(1.000)	2.720					(0.884)
Canton	298-302 Albany Turnpike	CTWC	C	28	0.002	-	0.002	-	0.002	-	0.002	0.006			0.006						0.004
Canton	CTWC - Naugatuck Reg-Collinsville Sys	CTWC	C-Large	4,190	0.297	0.088	0.385	0.003	0.388	-	0.388	-	0.650	-	0.650	-	0.009	-	-	0.422	0.253
Canton	180 Cherry Brook Road - Canton	CTWC	NC	36	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Canton	192 Albany Turnpike - Canton	CTWC	NC	155	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Canton	306 Albany Turnpike	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Canton	310 Albany Turnpike	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Canton	First Congregational Church of Canton Ce	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Canton	Giv Coffee Roastery And Cafe	CTWC	NC	34	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Canton	North Canton United Methodist Church	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Canton	Roaring Brook Nature Center	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Canton	Canton Professional Building	CTWC	NTNC	35	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Canton	Cherry Brook School	CTWC	NTNC	615	-	0.007	0.007	-	0.007		0.007	-	-	-	-	-	-	-	-	-	-
Canton	Jonis Child Care	CTWC	NTNC	112	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Canton	Stepping Stones Educational Center	CTWC	NTNC	185	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-

Table B-5: Central PWSMA - 20-Year (2030) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2030 Residential Demand	2030 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2030 Total ADD	Water Sold to Other Utility	2030 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Chester	Aaron Manor Nursing & Rehab Center	CTWC	C	81	0.006	-	0.006	-	0.006	-	0.006	0.017			0.017						0.011
Chester	CTWC - Shoreline Reg-Chester Vllg West	CTWC	C	216	0.006	-	0.006	-	0.006	-	0.006	0.015	-	-	0.015						0.009
Chester	CTWC - Shoreline Region-Chester System	CTWC	C-Large	1,511	0.091	0.088	0.179	0.022	0.201	-	0.201	1.200	-	-	1.200		0.446				0.553
Chester	Brushmill By The Waterfall	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Chester	Camp Hazen YMCA Well #1	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Chester	Camp Hazen YMCA Well #3	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Chester	Guest House Retreat & Conference Center	CTWC	NC	25	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Chester	Roto Frank of America	CTWC	NTNC	70	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Chester	Twelve Inspiration Lane, LLC	CTWC	NTNC	68	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Chester	Whelen Engineering Co	CTWC	NTNC	525	-	0.013	0.013	-	0.013		0.013	-	-	-	-	-	-	-	-	-	-
Chester	Whelen Engineering Co - Aviation	CTWC	NTNC	100	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Clinton	Evergreen Trailer Park - System #1	CTWC	C	45	0.002	-	0.002	-	0.002	-	0.002	0.019			0.019						0.017
Clinton	Evergreen Trailer Park - System #2	CTWC	C	35	0.001	-	0.001	-	0.001	-	0.001	0.015			0.015						0.014
Clinton	Evergreen Trailer Park - System #3	CTWC	C	68	0.003	-	0.003	-	0.003	-	0.003	0.029			0.029						0.026
Clinton	Evergreen Trailer Park - System #4	CTWC	C	110	0.008	-	0.008	-	0.008	-	0.008	0.021			0.021						0.012
Clinton	Nod Hill Apartments	CTWC	C	48	0.004	-	0.004	-	0.004	-	0.004	0.008			0.008						0.004
Clinton	CTWC - Shoreline Region-Guilford System	CTWC	C-Large	9,000	0.530	0.196	0.726	0.138	0.864	-	0.864	4.920	-	-	4.920		1.786				2.270
Clinton	36 Killingworth Tnpk-Lantern Sq-Clinton	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Clinton	Chamard Vineyards	CTWC	NC	40	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Clinton	Indian River Recreational Complex	CTWC	NC	28	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	CTWC - Columbia Heights Div.	AWC	C	32	0.005	-	0.005	-	0.005	-	0.005	0.018			0.018						0.013
Columbia	Dartmouth Village Elderly Housing	AWC	C	25	0.002	-	0.002	-	0.002	-	0.002	0.050			0.050						0.048
Columbia	Woodland Terrace	AWC	C	27	0.002	-	0.002	-	0.002	-	0.002	0.019			0.019						0.017
Columbia	52 Route 66	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	Beckish Senior Center	AWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Columbia	Camp Asto Wamah - Hungerford	AWC	NC	100	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Columbia	Camp Asto Wamah - Infirmary	AWC	NC	100	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Columbia	Camp Asto Wamah - Lodge	AWC	NC	100	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Columbia	Columbia Beach House	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	Columbia Congregational Church	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	Columbia Town Hall	AWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Columbia	Cornerstone of Columbia	AWC	NC	193	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Columbia	Heartstone Farm & Winery, LLC	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	Hop River Motel	AWC	NC	25	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Columbia	Ica Donuts, LLC	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	Mottas Pastry & Bake Shop	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	Recreation Park	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	Rosemar LLC	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	Saint Columba Church	AWC	NC	49	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	The Lighthouse Restaurant	AWC	NC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Columbia	Baptist Fellowship Church	AWC	NTNC	48	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	Columbia Ford	AWC	NTNC	95	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Columbia	Columbia Manufacturing - Well #1	AWC	NTNC	150	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Columbia	Columbia Manufacturing - Well #2	AWC	NTNC	155	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Columbia	Discovery Zone Learning Center	AWC	NTNC	189	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Columbia	Eastconn Columbia	AWC	NTNC	60	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Columbia	Eastconn Early Childhood Center	AWC	NTNC	250	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Columbia	Horace Porter School	AWC	NTNC	797	-	0.012	0.012	-	0.012		0.012	-	-	-	-	-	-	-	-	-	-
Columbia	Mirjaf, Inc.	AWC	NTNC	85	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Coventry	Coventry Housing Authority-Lower System	CTWC	C	80	0.002	-	0.002	-	0.002	-	0.002	0.043			0.043						0.041
Coventry	Coventry Housing Authority-Upper System	CTWC	C	80	0.001	-	0.001	-	0.001	-	0.001	0.017			0.017						0.016
Coventry	CTWC - Coventry Hills Div	CTWC	C	700	0.031	-	0.031	-	0.031	-	0.031	0.050			0.050						0.019
Coventry	CTWC - General Water Division	CTWC	C	306	0.014	-	0.014	0.004	0.017	-	0.017	0.043			0.043						0.026
Coventry	CTWC - Northern Region-Lakeview Terrace	CTWC	C	472	0.012	-	0.012	0.003	0.015	-	0.015	0.022			0.022						0.007
Coventry	CTWC - Northern Region-	CTWC	C	256	0.005	-	0.005	0.001	0.006	-	0.006	0.009			0.009						0.002

Table B-5: Central PWSMA - 20-Year (2030) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2030 Residential Demand	2030 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2030 Total ADD	Water Sold to Other Utility	2030 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Coventry	CTWC - Northern Reg-Nathan Hale System	CTWC	C	160	0.005	-	0.005	-	0.005	-	0.005	0.016			0.016						0.011
Coventry	CTWC - Pilgrim Hills Division	CTWC	C	229	0.014	-	0.014	-	0.014	-	0.014	0.050			0.050						0.036
Coventry	CTWC - South Coventry System	CTWC	C	501	0.025	-	0.025	0.004	0.030	-	0.030	0.048			0.048						0.018
Coventry	Twin Hills Water District	CTWC	C	156	0.007	-	0.007	-	0.007	-	0.007	0.042			0.042						0.036
Coventry	1657 Boston Turnpike - Coventry	CTWC	NC	203	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Coventry	7-Eleven Coventry	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Channel 3 Country Camp	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Coventry	Cove Plaza	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Coventry Food Mart	CTWC	NC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Coventry Pizza Restaurant	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Coventry	Coventry Plaza	CTWC	NC	38	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Coventry Senior Center	Town of Coventry	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Coventry	Cvs Plaza - Coventry	CTWC	NC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Dimitris Pizza	CTWC	NC	26	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Coventry	Dunkin Donuts	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	McMc Investments LLC	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Coventry	Nathan Hale Homestead	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Patriots Park - Community Center	Town of Coventry	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Presbyterian Church of Coventry	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Saint Marys Church	CTWC	NC	31	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Skungamaug River Golf Course	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Coventry	Storrs Community Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Twin Hills Country Club	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Coventry	Walgreen's Pharmacy-Coventry	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Coventry Grammar School	Town of Coventry	NTNC	558	-	0.006	0.006	-	0.006		0.006	-	-	-	-	-	-	-	-	-	-
Coventry	Coventry High & Nathan Hale Schools	Town of Coventry	NTNC	1,252	-	0.023	0.023	-	0.023		0.023	-	-	-	-	-	-	-	-	-	-
Coventry	Coventry Kids Center	CTWC	NTNC	80	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	George Hersey Robertson School	Town of Coventry	NTNC	573	-	0.006	0.006	-	0.006		0.006	-	-	-	-	-	-	-	-	-	-
Coventry	Meadowbrook Shopping Center	CTWC	NTNC	40	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Prince of Peace Lutheran Church	CTWC	NTNC	34	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Cromwell	Cromwell Fire District Water Department	Cromwell Fire District	C-Large	16,300	1.235	0.670	1.905	0.166	2.071	0.076	1.995	7.870		0.300	7.570						5.575
Cromwell	Metropolitan District Commission	Cromwell Fire District	C-Large	33	0.003	-	0.003	0.001	0.003	-	0.003	-			-	0.003					-
Cromwell	227 & 229 Shunpike Road	Cromwell Fire District	NC	41	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Cromwell	Convenience Store	Cromwell Fire District	NC	100	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Deep River	Ridgewood Hills Association, System #1	CTWC	C	18	0.001	-	0.001	-	0.001	-	0.001	0.019			0.019						0.018
Deep River	Ridgewood Hills Association, System #2	CTWC	C	18	0.001	-	0.001	-	0.001	-	0.001	0.019			0.019						0.018
Deep River	Ridgewood Hills Association, System #3	CTWC	C	18	0.001	-	0.001	-	0.001	-	0.001	0.019			0.019						0.018
Deep River	Ridgewood Hills Association, System #4	CTWC	C	18	0.001	-	0.001	-	0.001	-	0.001	0.019			0.019						0.018
Deep River	CTWC - Shoreline Region-Chester System	CTWC	C-Large	2,121	0.127	0.057	0.184	0.023	0.206	-	0.206	-	-	-	-	0.446	0.240				-
Deep River	Brewers Deep River Marina	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Deep River	Richcat, LLC	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Deep River	Incarnation Center, Inc	CTWC	NTNC	42	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Deep River	John Winthrop Junior High School	CTWC	NTNC	400	-	0.007	0.007	-	0.007		0.007	-	-	-	-	-	-	-	-	-	-
Deep River	Mount Saint John School	CTWC	NTNC	40	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Deep River	Valley Regional High School	CTWC	NTNC	565	-	0.010	0.010	-	0.010		0.010	-	-	-	-	-	-	-	-	-	-
Durham	Blue Trails Water Association	CTWC	C	228	0.017	-	0.017	-	0.017	-	0.017	0.041			0.041						0.024
Durham	Durham Center Division	Town of Durham	C	140	0.011	-	0.011	-	0.011	-	0.011	0.050	0.220		0.270						0.260
Durham	Durham Elderly Housing Division	Town of Durham	C	50	0.004	-	0.004	-	0.004	-	0.004	0.050			0.050						0.046
Durham	Durham Lexington Place Division	Town of Durham	C	45	0.003	-	0.003	-	0.003	-	0.003	0.050			0.050						0.047
Durham	Twin Maples Nursing Home	CTWC	C	100	0.008	-	0.008	-	0.008	-	0.008	0.023			0.023						0.015
Durham	Yeshiva of Waterbury-Durham Campus (Formerly Stonegate Springs NTNC)	Town of Durham	C	95	0.007	-	0.007	-	0.007	-	0.007	0.050			0.050						0.043
Durham	1041 New Haven Road - Durham	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	238 Main Street	Town of Durham	NC	47	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	325 Main Street	Town of Durham	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-

Table B-5: Central PWSMA - 20-Year (2030) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2030 Residential Demand	2030 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2030 Total ADD	Water Sold to Other Utility	2030 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Durham	459 Madison Rd	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	45R Ozick Drive - Unit 18-R	Town of Durham	NC	38	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Adams Commons, LLC.	Town of Durham	NC	43	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Camp Farnam	Town of Durham	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Carolyn Adams' Country Barn	Town of Durham	NC	29	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Citizens Bank - Durham	Town of Durham	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Commerce Circle Assoc	Town of Durham	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Dhi Enterprises, Inc.	CTWC	NC	31	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Dunkin Donuts	Town of Durham	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Durham Commons	Town of Durham	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Fas Mart #313	Town of Durham	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Grippos Mobil Service Center	Town of Durham	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Linos Market	Town of Durham	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Durham	New Haven Racoon Club	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	The Lnjs Realty Family Ltd Partnership	Town of Durham	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Durham	The United Churches of Durham - Church	Town of Durham	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Time Out Taverne	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	United Churches Corporation	Town of Durham	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Dd Durham	Town of Durham	NTNC	156	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Durham	Durham Manufacturing Company	Town of Durham	NTNC	200	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Durham	Frederick Brewster School	Town of Durham	NTNC	370	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Durham	Hobson Motzer, Inc.	Town of Durham	NTNC	200	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Durham	Morgan Am&T - Building #1	Town of Durham	NTNC	100	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Durham	Regional School Dist #13 Consolidation	Town of Durham	NTNC	1,261	-	0.023	0.023	-	0.023		0.023	-	-	-	-	-	-	-	-	-	-
East Granby	Chelsea Common Condominium Association	MDC	C	126	0.004	-	0.004	-	0.004	-	0.004	0.030			0.030						0.026
East Granby	GQC Well Commission	MDC	C	360	0.016	-	0.016	-	0.016	-	0.016	0.050			0.050						0.034
East Granby	Metacomet Homes-Well 1	MDC	C	27	0.002	-	0.002	-	0.002	-	0.002	0.009			0.009						0.007
East Granby	Metacomet Homes-Well 2	MDC	C	36	0.003	-	0.003	-	0.003	-	0.003	0.009			0.009						0.006
East Granby	Old Newgate Ridge Water Company Inc	MDC	C	208	0.016	-	0.016	-	0.016	-	0.016	0.050			0.050						0.034
East Granby	Turkey Hill of East Granby, LLC	AWC	C	360	0.025	-	0.025	-	0.025	-	0.025	0.050			0.050						0.025
East Granby	Aquarion Water Co of CT-Simsbury System	AWC	C-Large	209	0.021	0.007	0.028	0.005	0.033	-	0.033	-	-	-	-	0.033	-	-	-	-	-
East Granby	CTWC - Northern Reg-Western System	CTWC	C-Large	73	0.005	0.070	0.075	0.001	0.076	-	0.076	-	-	-	-	0.076	-	-	-	-	-
East Granby	Metropolitan District Commission	MDC	C-Large	921	0.072	0.073	0.146	0.015	0.161	-	0.161	-			-	0.161					-
East Granby	20 Copper Hill Road	MDC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Granby	95 Spoonville Road - East Granby	MDC	NC	29	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Granby	Brignole Vineyards, LLC	AWC	NC	35	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Granby	East Granby Farms	MDC	NC	27	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Granby	Hartford Gun Club - Main Club House	MDC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Granby	Acceleron	AWC	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Granby	Galasso Materials, LLC-Garage Well	MDC	NTNC	120	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
East Granby	Galasso Materials, LLC-Main Office Well	MDC	NTNC	120	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
East Granby	Galasso Materials, LLC-Sales Well	MDC	NTNC	120	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
East Haddam	31 Grist Mill Rd	Town of East Haddam	C	19	0.002	-	0.002	-	0.002	-	0.002	0.031			0.031						0.029
East Haddam	Chestelm Health & Rehabilitation Center	Town of East Haddam	C	120	0.007	-	0.007	-	0.007	-	0.007	0.019			0.019						0.012
East Haddam	CTWC - Banner Village	CTWC	C	265	0.006	-	0.006	0.003	0.009	-	0.009	0.050			0.050						0.041
East Haddam	CTWC - Lake Hayward	CTWC	C	650	0.005	-	0.005	0.004	0.009	-	0.009	0.050			0.050						0.041
East Haddam	Franklin Academy	Town of East Haddam	C	81	0.006	-	0.006	-	0.006	-	0.006	0.030			0.030						0.024
East Haddam	Goodspeed Actor Housing - The Village	Town of East Haddam	C	40	0.003	-	0.003	-	0.003	-	0.003	0.022			0.022						0.019
East Haddam	Oak Grove Senior Housing Corp	Town of East Haddam	C	72	0.005	-	0.005	-	0.005	-	0.005	0.013			0.013						0.008
East Haddam	12 Rae Palmes Road - East Haddam	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-

Table B-5: Central PWSMA - 20-Year (2030) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2030 Residential Demand	2030 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2030 Total ADD	Water Sold to Other Utility	2030 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
East Haddam	2 Norwich Road	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	32 Main Street - East Haddam	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	374 Town Street	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	381 Town Street - East Haddam	Town of East Haddam	NC	42	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	7-Eleven #32526	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	American Legion Post #156	Town of East Haddam	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	Cave Hill Resort	Town of East Haddam	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	Christ Community Church of East Haddam	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	East Haddam Public Library	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	East Haddam Senior Center	Town of East Haddam	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	First Church of Christ Congregational	Town of East Haddam	NC	89	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Fox Hopyard Golf Club - Pro Shop Well	Town of East Haddam	NC	40	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Fox Hopyard Golf Club(Club House Well)	Town of East Haddam	NC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	Gillette Castle State Park / Castle Well	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Gillette Castle State Park / Concession	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Goodspeed Realty LLC	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Grandview Camp Resort & Cottages	Town of East Haddam	NC	29	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	La Vita Gustosa	Town of East Haddam	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	Middlesex 4-H Camp	Town of East Haddam	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	Middlesex Hospital Medical Facility	Town of East Haddam	NC	31	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	My Fathers House	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Nathan Hale Plaza, LLC	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Rathbun Free Memorial Library	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Sanibel Farms Store	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	St Bridgets of Kildare Church	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	St Stephens Episcopal Church	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Town Office Complex	Town of East Haddam	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	Wolfs Den Campground-System #2:Main	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Wolfs Den Campground-System #3:Backup	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Chestelm Adult Day Services, Inc.	Town of East Haddam	NTNC	39	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	East Haddam Elementary School	Town of East Haddam	NTNC	600	-	0.007	0.007	-	0.007		0.007	-	-	-	-	-	-	-	-	-	-
East Haddam	Goodspeed Opera House	Town of East Haddam	NTNC	150	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	Kindercare Learning Corp of Moodus	Town of East Haddam	NTNC	100	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-

Table B-5: Central PWSMA - 20-Year (2030) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2030 Residential Demand	2030 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2030 Total ADD	Water Sold to Other Utility	2030 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
East Haddam	Little Noises Day Care, LLC	Town of East Haddam	NTNC	44	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Little Village Preschool	Town of East Haddam	NTNC	34	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Nathan Hale-Ray High School	Town of East Haddam	NTNC	461	-	0.008	0.008	-	0.008		0.008	-	-	-	-	-	-	-	-	-	-
East Haddam	Nathan Hale-Ray Middle School	Town of East Haddam	NTNC	620	-	0.009	0.009	-	0.009		0.009	-	-	-	-	-	-	-	-	-	-
East Hampton	Aquarion Water Co of CT-East Hampton Div	East Hampton WPCA	C	189	0.006	-	0.006	0.001	0.007	-	0.007	0.008			0.008						0.001
East Hampton	Bellwood Court	East Hampton WPCA	C	31	0.002	-	0.002	-	0.002	-	0.002	0.008			0.008						0.005
East Hampton	Chatham Acres Elderly Housing	East Hampton WPCA	C	50	0.004	-	0.004	-	0.004	-	0.004	0.050			0.050						0.046
East Hampton	Chatham Apartments	East Hampton WPCA	C	40	0.003	-	0.003	-	0.003	-	0.003	0.043			0.043						0.040
East Hampton	Cobalt Lodge Healthcare & Rehab Center (Z, Inc.)	East Hampton WPCA	C	130	0.004	-	0.004	-	0.004	-	0.004	0.050			0.050						0.046
East Hampton	CTWC - Baker Hill Division	CTWC	C	203	0.006	-	0.006	-	0.006	-	0.006	0.029			0.029					0.000	0.023
East Hampton	CTWC - Spice Hill Division	East Hampton WPCA	C	712	0.028	-	0.028	-	0.028	-	0.028	0.049			0.049					0.000	0.020
East Hampton	CTWC - Westchester East	East Hampton WPCA	C	153	0.005	-	0.005	-	0.005	-	0.005	0.039			0.039						0.034
East Hampton	East Hampton WPCA - Royal Oaks System	East Hampton WPCA	C	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
East Hampton	East Hampton WPCA - Village Center	East Hampton WPCA	C	9,650	0.748	0.105	0.853	0.09	0.947	-	0.947	0.722	-	-	0.722	-	-	-	-	-	(0.225)
East Hampton	Edgemere Condominium Assn., Inc.	East Hampton WPCA	C	540	0.041	-	0.041	-	0.041	-	0.041	0.050			0.050						0.010
East Hampton	Mallard Cove Condominium Assn.	East Hampton WPCA	C	177	0.008	-	0.008	-	0.008	-	0.008	0.050			0.050						0.042
East Hampton	Westside Manor	East Hampton WPCA	C	30	0.002	-	0.002	-	0.002	-	0.002	0.010			0.010						0.007
East Hampton	197 East High Street	East Hampton WPCA	NC	31	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	227 West High Street - E Hampton	East Hampton WPCA	NC	39	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	26 East High Street	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	36 East High Street - East Hampton	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	37 East High Street - E Hampton	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	Angelicos Lakehouse	East Hampton WPCA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	Bethlehem Lutheran Church	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	Chatham Corner Building	East Hampton WPCA	NC	28	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	East Hampton Fire Station #1	East Hampton WPCA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	East Hampton Fire Station #2	East Hampton WPCA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	Food Bag	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	Food Bag - East High Street	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	Gustine's Rv Sales & Service	East Hampton WPCA	NC	31	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	Haddam Neck Covenant Church	East Hampton WPCA	NC	60	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	Hope Church of East Hampton	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	Kickback N Bowl	East Hampton WPCA	NC	28	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	Loco Perro	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	Nelsons Campground - Area G	East Hampton WPCA	NC	50	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
East Hampton	Nelsons Campground - Area H	East Hampton WPCA	NC	60	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
East Hampton	Pats Market Cobalt, LLC	East Hampton WPCA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	Rossinis	East Hampton WPCA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	Sears Park	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	Spencers Funeral Home	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	Sports On 66	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	St Patrick Church	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	St. Patrick Church - Parish Center	East Hampton WPCA	NC	33	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	VFW #5095	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	201 West High Street	East Hampton WPCA	NTNC	64	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	3 Smith Street	East Hampton WPCA	NTNC	48	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	American Distilling & Manufacturing, Inc	East Hampton WPCA	NTNC	55	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	Brooks Plaza	East Hampton WPCA	NTNC	67	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	East Hampton Community Center	East Hampton WPCA	NTNC	26	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	East Hampton High School	East Hampton WPCA	NTNC	540	-	0.010	0.010	-	0.010		0.010	-	-	-	-	-	-	-	-	-	-
East Hampton	East Hampton Mall	East Hampton WPCA	NTNC	100	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
East Hampton	East Hampton Middle School	East Hampton WPCA	NTNC	459	-	0.007	0.007	-	0.007		0.007	-	-	-	-	-	-	-	-	-	-
East Hampton	Eversource Energy East Hampton Srvc Ctr	East Hampton WPCA	NTNC	80	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
East Hampton	Global Self Storage	East Hampton WPCA	NTNC	86	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	Lakeshore, LLC	CTWC	NTNC	94	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
East Hampton	Lakeview Court, LLC	East Hampton WPCA	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-

Table B-5: Central PWSMA - 20-Year (2030) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2030 Residential Demand	2030 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2030 Total ADD	Water Sold to Other Utility	2030 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
East Hampton	Markham Meadows Campground-Well #2	East Hampton WPCA	NTNC	49	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
East Hampton	Masonic Temple Assn of East Hampton	East Hampton WPCA	NTNC	75	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
East Hampton	McDonalds of East Hampton	East Hampton WPCA	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	Theater Square	East Hampton WPCA	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	Town of East Hampton	East Hampton WPCA	NTNC	37	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hartford	Metropolitan District Commission	MDC	C-Large	49,145	3.867	1.712	5.578	0.807	6.385	-	6.385	-			-	12.155	5.770				-
East Hartford	Cumberland Farms #4647	MDC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haven	SCCRWA	SCCRWA	C-Large	27,747	1.443	0.828	2.271	0.252	2.523	-	2.523	11.800			11.800	16.864	26.141				-
East Haven	250 Bradley Street	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Windsor	East Windsor Housing Authority	CTWC	C	94	0.007	-	0.007	-	0.007	-	0.007	0.022			0.022						0.015
East Windsor	Markowski Farms	CTWC	C	155	0.012	-	0.012	-	0.012	-	0.012	0.038			0.038						0.026
East Windsor	School Hill Association, Inc.	CTWC	C	77	0.007	-	0.007	-	0.007	-	0.007	0.013			0.013						0.006
East Windsor	CTWC - Northern Reg-Western System	CTWC	C-Large	5,080	0.341	0.160	0.501	0.065	0.567	-	0.567	2.115	0.040	-	2.155	-	1.462	-	-	0.002	0.126
East Windsor	Hazardville Water Company	Hazardville Water Company	C-Large	41	0.003	0.002	0.005	0.000	0.005	0.002	0.003	-	-	0.040	(0.040)	0.005					(0.038)
East Windsor	Chesters Plaza	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Windsor	Deep - Flaherty Field Trial Area	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Windsor	East Windsor Park Snack Bar	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Windsor	First Congregational Church of E Windsor	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Windsor	Golden Irenes Restaurant	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Windsor	Kingdom Hall of Jehovahs Witnesses	CTWC	NC	90	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Windsor	Mulnite Farms	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Windsor	Bassdale Plaza - Well #1	CTWC	NTNC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Windsor	Sophias Plaza Ii/III	CTWC	NTNC	40	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Ellington	Meadowbrook Apartments, LLC	CTWC	C	60	0.005	-	0.005	-	0.005	-	0.005	0.050			0.050						0.046
Ellington	CTWC - Northern Reg-Western System	CTWC	C-Large	8,112	0.545	0.190	0.735	0.104	0.839	-	0.839	0.270	-	-	0.270	0.569	-	-	-	-	-
Ellington	Crystal Lake Community Methodist Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Ellington	Crystal Lake Plaza	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Ellington	Ellington Ridge Country Club	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Ellington	Luann's Bakery And Cafe	CTWC	NC	60	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Ellington	Rolling Meadows Country Club	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Ellington	Sj Ranch, Inc. (Well #1 - Kitchen)	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Ellington	Sj Ranch, Inc. (Well #2 - Overlook)	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Ellington	Sj Ranch, Inc. (Well #3 - Ranch House)	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Ellington	Crystal Lake School	CTWC	NTNC	275	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Enfield	Shaker Heights Water Company	CTWC	C	172	0.014	-	0.014	-	0.014	-	0.014	0.050			0.050						0.036
Enfield	Connecticut Correctional Institute	CTWC	C-Large	2,397	0.218	0.025	0.243	0.083	0.326	-	0.326	0.650	-	-	0.650	-	-	-	-	-	0.324
Enfield	CTWC - Northern Reg-Western System	CTWC	C-Large	21,634	1.454	0.520	1.974	0.277	2.251	-	2.251	4.695	-	-	4.695	-	0.632	-	-	-	1.812
Enfield	Hazardville Water Company	Hazardville Water Company	C-Large	17,262	1.071	0.200	1.271	0.152	1.423	-	1.423	4.435	-		4.435		0.088				2.924
Enfield	117 Hazard Avenue	Hazardville Water Company	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Enfield	Collins Creamery	Hazardville Water Company	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Enfield	Faith Baptist Church (Well #1)	Hazardville Water Company	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Enfield	Faith Baptist Church (Well #2)	Hazardville Water Company	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Enfield	Grassmere Country Club	Hazardville Water Company	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Enfield	Kingdom Hall of Jehovahs Witness	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Essex	Hemlock Apartments	CTWC	C	72	0.002	-	0.002	-	0.002	-	0.002	0.026			0.026						0.024
Essex	Heritage Cove Condominiums	CTWC	C	208	0.016	-	0.016	-	0.016	-	0.016	0.050			0.050						0.034
Essex	Meadowbrook Manor LLC	CTWC	C	30	0.002	-	0.002	-	0.002	-	0.002	0.010			0.010						0.008
Essex	CTWC - Shoreline Region-Chester System	CTWC	C-Large	2,468	0.148	0.066	0.214	0.026	0.240	-	0.240	0.140	-	-	0.140	0.240					0.140
Essex	Middlesex Medical Center (Essex)	CTWC	NC	40	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Essex	Shoreline Professional Center	CTWC	NC	38	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-

Table B-5: Central PWSMA - 20-Year (2030) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2030 Residential Demand	2030 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2030 Total ADD	Water Sold to Other Utility	2030 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Essex	Bolderdash	CTWC	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Essex	Kindercare of Essex	CTWC	NTNC	92	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Essex	L.C. Doane Co.	CTWC	NTNC	74	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Farmington	CTWC - Chimney Hill	CTWC	C	227	0.023	-	0.023	0.015	0.038	-	0.038	-	0.050	-	0.050	-	-	-	-	0.038	0.012
Farmington	Avon Water Co	Avon Water Company	C-Large	629	0.052	0.005	0.057	0.008	0.065	-	0.065	-	-		-	0.065					-
Farmington	CTWC - Unionville System	CTWC	C-Large	14,386	1.380	0.547	1.927	0.123	2.050		2.050	2.505	0.650		3.155					0.764	1.105
Farmington	Metropolitan District Commission	MDC	C-Large	3,070	0.242	0.909	1.151	0.050	1.201	0.802	0.399	-		0.700	(0.700)	1.201					0.102
Farmington	New Britain Water Department	New Britain Water Department	C-Large	1,350	0.101	0.210	0.311	0.009	0.321	-	0.321	-	-	-	-	0.321	-	-	-	-	-
Farmington	Valley Water Systems, Inc.	CTWC	C-Large	148	0.008	0.002	0.010	0.001	0.011	-	0.011	-	-	-	-	0.011					-
Farmington	1097 Farmington Avenue	CTWC	NC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Farmington	Carol's Lunchbox	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Farmington	Farmington Field Club	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Farmington	Farmington Polo Grounds	CTWC	NC	35	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Farmington	Riverfront Miniature Golf, Inc.	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Farmington	Winding Trails Recreation Assn - Lower	CTWC	NC	207	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Farmington	Winding Trails Recreation Assn - Upper	CTWC	NC	207	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Farmington	Farmington Club	CTWC	NTNC	100	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Glastonbury	Manchester Water Department	Manchester Water Department	C-Large	1,112	0.073	0.013	0.086	0.015	0.102	-	0.102	-	-		-	0.102	-	-	-	-	-
Glastonbury	Metropolitan District Commission	MDC	C-Large	28,121	2.213	1.426	3.639	0.462	4.101	0.447	3.654	-		1.100	(1.100)	4.101					(0.653)
Glastonbury	Dondero Orchards LLC	MDC	NC	29	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Glastonbury	E. Draghi & Sons, LLC	MDC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Glastonbury	Eastbury Pond	MDC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Glastonbury	Glastonbury Elks Club	MDC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Glastonbury	Glastonbury Hills Country Club	MDC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Glastonbury	J.B. Williams Park	MDC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Glastonbury	Robbs Farm LLC	MDC	NC	27	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Glastonbury	Roses Berry Farm	MDC	NC	40	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Glastonbury	Shah Properties LLC.	Manchester Water Department	NC	27	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Glastonbury	Eastbury School	MDC	NTNC	523	-	0.006	0.006	-	0.006		0.006	-	-	-	-	-	-	-	-	-	-
Glastonbury	Glastonbury Vehicle Maint. Garage	MDC	NTNC	41	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Glastonbury	Quality Name Plate	MDC	NTNC	85	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Granby	Aquarion Water Co of CT-Simsbury System	AWC	C-Large	960	0.095	0.032	0.127	0.023	0.150	-	0.150	-	-	-	-	0.150	-	-	-	-	-
Granby	Salmon Brook District Water Dept	AWC	C	934	0.070	0.063	0.133	0.029	0.162		0.162	0.269	-	-	0.269	-	-	-	-	-	0.107
Granby	496 Salmon Brook Street	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	565 Salmon Brook St - Granby	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	Bushy Hill Orchard	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	Granby Commons	AWC	NC	43	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Granby	Granby Motel	AWC	NC	25	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Granby	High Meadow Day Camp LLC	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	Holcomb Farms	AWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Granby	Jehovahs Witnesses	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	Life Church	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	Lost Acres Orchards	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	Old Mill Pond Village	AWC	NC	31	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	Pilgrim Covenant Church	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	St. Therese Roman Catholic Church Corp.	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	The Cambridge House	AWC	NC	40	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	West Granby United Methodist Church	AWC	NC	41	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	1 Salmon Brook Street - Granby	AWC	NTNC	80	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Granby	4 West Granby Road	AWC	NTNC	97	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Granby	First Congregational Church of Granby	AWC	NTNC	40	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	Kelly Lane Intermediate School	AWC	NTNC	357	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Granby	Monrovia Nurseries (Floydville)	AWC	NTNC	80	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Granby	Monrovia Nurseries (Salmon Brook)	AWC	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Granby	Wells Road Intermediate School	AWC	NTNC	405	-	0.006	0.006	-	0.006		0.006	-	-	-	-	-	-	-	-	-	-

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Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2030 Residential Demand	2030 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2030 Total ADD	Water Sold to Other Utility	2030 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Guilford	Quonnipaug Hills - Main System	CTWC	C	564	0.042	-	0.042	-	0.042	-	0.042	0.048			0.048						0.005
Guilford	Quonnipaug Hills - Section I	CTWC	C	27	0.002	-	0.002	-	0.002	-	0.002	0.010			0.010						0.008
Guilford	CTWC - Shoreline Region-Guilford System	CTWC	C-Large	10,700	0.630	0.233	0.863	0.164	1.027	-	1.027	0.760	1.000	-	1.760	0.151				0.116	0.884
Guilford	2311 Boston Post Road - Guilford	CTWC	NC	33	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Guilford	Anthonys of Guilford	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Guilford	Bittner Park	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Guilford	Lake Quonnipaug	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Guilford	New Haven Sportsman's Club Inc.	CTWC	NC	50	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Guilford	St Johns Episcopal Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Guilford	The Little Store	CTWC	NC	31	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Guilford	Guilford Veterinary Hospital	CTWC	NTNC	33	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Guilford	Melissa Jones School	CTWC	NTNC	484	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Guilford	North Guilford Congregational Church	CTWC	NTNC	40	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Guilford	Todays Plaza, LLC	CTWC	NTNC	54	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	High Meadow	CTWC	C	38	0.003	-	0.003	-	0.003	-	0.003	0.011			0.011						0.008
Haddam	Saybrook At Haddam	CTWC	C	155	0.012	-	0.012	-	0.012	-	0.012	0.019			0.019						0.008
Haddam	106 Bridge Road - Haddam	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	1564 Saybrook Road	CTWC	NC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	201 Saybrook Road	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	40 Saybrook Road	CTWC	NC	27	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	986 Killingworth Rd Plaza	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Brainard Memorial Library	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Camp Bethel	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Dinos Pizza Restaurant	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Gas Plus	CTWC	NC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Haddam Commons	CTWC	NC	200	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Haddam Meadows S.P.	CTWC	NC	780	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Haddam	Haddam Neck Congregational Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Haddam Neck Fair Hall	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Haddam Restaurant	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Haddam Senior Center	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Haddam Town Office Building	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Haddam Volunteer Fire Station #1	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Higganum Congregational Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Higgies Food And Ice Cream, LLC	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Little City Campground	CTWC	NC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Middlesex Extension Services	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Saybrook Road LLC	CTWC	NC	27	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	St Peters Church	CTWC	NC	26	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	The Blue Oar	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	The Haddam Neck Fair Association, Inc.	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	The Riverhouse At Goodspeed Station	CTWC	NC	304	-	0.009	0.009	-	0.009		0.009	-	-	-	-	-	-	-	-	-	-
Haddam	Three Oaks Plaza	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Tylerville Village 1	CTWC	NC	35	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Tylerville Village 2	CTWC	NC	35	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Veselak LLC	CTWC	NC	31	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	95 Bridge Road - Haddam	CTWC	NTNC	65	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Burr District Elementary School	CTWC	NTNC	528	-	0.006	0.006	-	0.006		0.006	-	-	-	-	-	-	-	-	-	-
Haddam	First Congregational Church of Haddam	CTWC	NTNC	61	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Haddam Elementary School	CTWC	NTNC	350	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Haddam	Haddam-Killingworth High School	CTWC	NTNC	850	-	0.015	0.015	-	0.015		0.015	-	-	-	-	-	-	-	-	-	-
Haddam	Village Shopping Center	CTWC	NTNC	32	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Young Horizons Daycare	CTWC	NTNC	60	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Hamden	SCCRWA	SCCRWA	C-Large	58,327	3.033	1.740	4.773	0.530	5.304	-	5.304	13.100			13.100		0.074				7.722
Hamden	Brooksvale Park - Field House	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hamden	Brooksvale Park-Veterans' Memorial Bldg	SCCRWA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Hamden	Church of The Ascension	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hamden	YMCA - Camp Mountain Laurel	SCCRWA	NC	180	-	0.009	0.009	-	0.009		0.009	-	-	-	-	-	-	-	-	-	-
Hamden	The Carrot Patch	SCCRWA	NTNC	52	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Hartford	Metropolitan District Commission	MDC	C-Large	145,047	11.412	5.052	16.464	2.382	18.846	-	18.846	-			-	41.125	22.279				(0.000)

Table B-5: Central PWSMA - 20-Year (2030) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2030 Residential Demand	2030 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2030 Total ADD	Water Sold to Other Utility	2030 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Hebron	Abby Water LLC	CTWC	C	100	0.008	-	0.008	-	0.008	-	0.008	0.027			0.027						0.020
Hebron	CTWC - Amston Lake Division	CTWC	C	910	0.028	-	0.028	-	0.028	-	0.028	0.044			0.044						0.016
Hebron	CTWC - Country Manor Apartments	CTWC	C	72	0.003	-	0.003	-	0.003	-	0.003	0.027			0.027						0.024
Hebron	CTWC - London Park Division	CTWC	C	221	0.008	-	0.008	0.001	0.010	-	0.010	0.050			0.050						0.040
Hebron	CTWC - Mill At Stonecroft Div	CTWC	C	127	0.008	-	0.008	-	0.008	-	0.008	0.036			0.036						0.027
Hebron	CTWC - Wellswood Village Div	CTWC	C	60	0.003	-	0.003	-	0.003	-	0.003	0.016			0.016						0.013
Hebron	Hebron Arms Apartments	CTWC	C	39	0.001	-	0.001	-	0.001	-	0.001	0.019			0.019						0.018
Hebron	Hillside Condominiums	CTWC	C	96	0.003	-	0.003	-	0.003	-	0.003	0.050			0.050						0.047
Hebron	Wellswood Estates Foundation, Inc.	CTWC	C	112	0.008	-	0.008	-	0.008	-	0.008	0.022			0.022						0.013
Hebron	CTWC - Hebron Center Division	CTWC	C	235	0.012	0.018	0.030	0.001	0.031	-	0.031	0.050	-	-	0.050	-	-	-	-	-	0.019
Hebron	Blackledge Country Club	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Hebron	Blackledge East LLC	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hebron	Camp Hemlocks - Easter Seals (Core Well)	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Hebron	Church of The Holy Family	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hebron	Gay City State Park/Picnic Area Well	CTWC	NC	33	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hebron	Gilead Congregational Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hebron	Hebron Church of Hope	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hebron	Mary & Allies Restaurant	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Hebron	Paradise Farms Plaza	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hebron	St. Peters Episcopal Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hebron	Tallwood Country Club	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Hebron	Town of Hebron East Street Park	CTWC	NC	37	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hebron	Town Office Buildings	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Hebron	Twin Lakes Cafe	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hebron	CTWC - Christ Lutheran Church	CTWC	NTNC	128	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hebron	Gilead Hill School	CTWC	NTNC	391	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Hebron	Hebron Elementary School	CTWC	NTNC	475	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Hebron	Plaza Shopping Center	CTWC	NTNC	80	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	CTWC - Jensens Beechwood System	CTWC	C	750	0.030	-	0.030	-	0.030	-	0.030	0.050			0.050						0.020
Killingworth	M&M Realty Holdings LLC	CTWC	C	32	0.002	-	0.002	-	0.002	-	0.002	0.050			0.050						0.048
Killingworth	163 Route 81	CTWC	NC	35	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	177 Route 81	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	183 Route 81 LLC	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	206 Route 80	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	260 Route 80 - Killingworth	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	Chatfield Hollow S.P./Main Well	CTWC	NC	667	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Killingworth	Chatfield Hollow S.P./Shop Well	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	Country Squire Shoppes And Restaurant	CTWC	NC	31	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Killingworth	Deer Lake Scout Res.-Dining Hall Well 2	CTWC	NC	300	-	0.015	0.015	-	0.015		0.015	-	-	-	-	-	-	-	-	-	-
Killingworth	Deer Lake Scout Reservation	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Killingworth	Deer Lake Scout Reservation - Well 3	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Killingworth	Killingworth Cafe # 249	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	Killingworth Country Market	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Killingworth	Killingworth Library	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	Killingworth Town Hall	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Killingworth	Killingworth Village Center	CTWC	NC	27	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	Parmelee Farms	CTWC	NC	29	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	Sheldon Field	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	St Lawrence Church (Well 2)	CTWC	NC	26	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	St. Lawrence Church (Rec Hall) Well 1	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	The Cooking Company - Killingworth	CTWC	NC	37	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	Haddam Killingworth Inter/Middle School	CTWC	NTNC	874	-	0.013	0.013	-	0.013		0.013	-	-	-	-	-	-	-	-	-	-
Killingworth	Killingworth Congregational Church	CTWC	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Killingworth	Killingworth Elementary School	CTWC	NTNC	543	-	0.006	0.006	-	0.006		0.006	-	-	-	-	-	-	-	-	-	-
Killingworth	Killingworth Kids Center	CTWC	NTNC	64	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-

Table B-5: Central PWSMA - 20-Year (2030) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2030 Residential Demand	2030 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2030 Total ADD	Water Sold to Other Utility	2030 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Lyme	1 Ferry Road	Town of Lyme	NC	35	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Lyme	Camp Claire, Inc.	Town of Lyme	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Lyme	Lyme Consolidated School	Town of Lyme	NTNC	205	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Madison	CTWC - Green Springs System	CTWC	C	104	0.004	-	0.004	0.000	0.004	-	0.004	0.028			0.028						0.024
Madison	CTWC - Legend Hill System	CTWC	C	247	0.009	0.004	0.013	0.001	0.014		0.014	0.050			0.050						0.036
Madison	CTWC - Shoreline Region-Guilford System	CTWC	C-Large	8,700	0.512	0.189	0.701	0.134	0.835	-	0.835	-	-	-	-	0.986	0.151				-
Madison	Camp Laurelwood	CTWC	NC	400	-	0.020	0.020	-	0.020		0.020	-	-	-	-	-	-	-	-	-	-
Madison	Christ Chapel	CTWC	NC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Madison	Church of Latter Day Saints, Madison	CTWC	NC	172	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Madison	Circle Pizza	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Madison	Kleins Golf Range	CTWC	NC	31	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Madison	1 Orchard Park Industrial Area	CTWC	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Madison	15 Orchard Park Industrial Area	CTWC	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Madison	227 Horse Pond Road - Madison	CTWC	NTNC	55	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Madison	Educational Playcare Ltd	CTWC	NTNC	73	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Madison	Madison Commons	CTWC	NTNC	28	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Madison	North Madison Congregational Church	CTWC	NTNC	35	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Madison	North Madison Shopping Center	CTWC	NTNC	60	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Madison	Orchard Park Ind. Area - 50 Mungertown	CTWC	NTNC	40	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Madison	St. Andrews Episcopal Church	CTWC	NTNC	40	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Madison	Summer Hill Nurseries	CTWC	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Madison	Temple Beth Tikvah	CTWC	NTNC	170	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Madison	The Country School, Inc.	CTWC	NTNC	360	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Madison	The Learning Tree of Madison, LLC	CTWC	NTNC	61	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Manchester	CTWC - Redwood Farms Division	Manchester Water Department	C	424	0.015	-	0.015	0.000	0.015	-	0.015	0.050			0.050			0.000			0.035
Manchester	CTWC - Northern Reg-Western System	CTWC	C-Large	0	-	0.003	0.003	-	0.003	-	0.003	-	-	-	-	0.003	-	-	-	-	-
Manchester	Manchester Water Department	Manchester Water Department	C-Large	59,757	3.942	1.300	5.242	0.925	6.167	0.005	6.162	9.179	-	0.007	9.172	-	0.112	-	-	-	2.899
Manchester	Metropolitan District Commission	MDC	C-Large	980	0.077	-	0.077	0.016	0.093	-	0.093	-			-	0.093					-
Manchester	622 Middle Turnpike East	Manchester Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Manchester	801A Hartford Road	Manchester Water Department	NC	33	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Manchester	Girl Scouts of CT - Camp Merrie-Wood	Manchester Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Manchester	Manchester Cong. of Jehovahs Witnesses	Manchester Water Department	NC	222	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Manchester	Unitarian Universalist Church	Manchester Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Manchester	Birch Mountain Day School	Manchester Water Department	NTNC	83	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Manchester	CTWC - Buckland Road Service Area	Manchester Water Department	NTNC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Manchester	Elisabeth M. Bennet Academy	Manchester Water Department	NTNC	536	-	0.008	0.008	-	0.008		0.008	-	-	-	-	-	-	-	-	-	-
Manchester	Manchester Packing Company, Inc.	Manchester Water Department	NTNC	34	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Manchester	Shady Glen Restaurant	Manchester Water Department	NTNC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Mansfield	Ah 2 LLC (formerly Woods Edge Apartments, LLC)	CTWC	C	96	0.004	-	0.004	-	0.004	-	0.004	0.019			0.019						0.016
Mansfield	Aquarion Water Co of CT-Valley View	AWC	C	131	0.006	-	0.006	0.000	0.006	-	0.006	0.013			0.013						0.007
Mansfield	Carriage House Apartments	CTWC	C	196	0.015	-	0.015	-	0.015	-	0.015	0.050			0.050						0.035
Mansfield	Club House Apartments	CTWC	C	115	0.009	-	0.009	-	0.009	-	0.009	0.014			0.014						0.005
Mansfield	CTWC - Birchwood Heights	CTWC	C	76	0.002	-	0.002	0.000	0.002	-	0.002	0.015			0.015						0.013
Mansfield	CTWC - Crystal Springs Div.	CTWC	C	169	0.006	-	0.006	-	0.006	-	0.006	0.021			0.021						0.015
Mansfield	CTWC - Pinewoods Lane Div	Windham Water Works	C	68	0.001	-	0.001	-	0.001	-	0.001	0.019			0.019						0.018
Mansfield	Hunting Lodge Apartments	CTWC	C	115	0.009	-	0.009	-	0.009	-	0.009	0.035			0.035						0.026
Mansfield	Knollwood Acres Apartments	CTWC	C	312	0.023	-	0.023	-	0.023	-	0.023	0.050			0.050						0.027

Table B-5: Central PWSMA - 20-Year (2030) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2030 Residential Demand	2030 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2030 Total ADD	Water Sold to Other Utility	2030 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Mansfield	Mansfield Village, LLC	CTWC	C	40	0.002	-	0.002	-	0.002	-	0.002	0.010			0.010						0.009
Mansfield	Maplewood Apartments	CTWC	C	153	0.011	-	0.011	-	0.011	-	0.011	0.025			0.025						0.013
Mansfield	Orchard Acres Association	CTWC	C	176	0.013	-	0.013	-	0.013	-	0.013	0.032			0.032						0.019
Mansfield	Renwood Apartments	CTWC	C	190	0.014	-	0.014	-	0.014	-	0.014	0.050			0.050						0.036
Mansfield	Rockridge Condominiums	CTWC	C	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mansfield	White Oak Condominiums	CTWC	C	192	0.014	-	0.014	-	0.014	-	0.014	0.037			0.037						0.022
Mansfield	CTWC - Northern Reg-Western System	CTWC	C-Large	1,546	0.105	0.140	0.245	0.020	0.265	-	0.265	-	-	1.500	(1.500)	0.265	0.030	-	-	-	(1.530)
Mansfield	University of Connecticut - Main Campus	Stage Agency Existing Service Area (UConn)	C-Large	12,699	0.415	0.948	1.363	0.072	1.435	-	1.435	1.480	1.500	-	2.980	-	-	-	-	-	1.545
Mansfield	Windham Water Works	Windham Water Works	C-Large	2871	0.157	0.124	0.281	0.043	0.324	-	0.324	4.100	-	-	4.100	-	2.298	-	-	-	1.478
Mansfield	1768 Storrs Road	CTWC	NC	42	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	1St Baptist Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	452 Stafford Road - The Deli Club	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	466 Storrs Rd	Windham Water Works	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	603 Middle Turnpike - Mansfield	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	847 Stafford Road	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	873 Stafford Road - Mansfield	CTWC	NC	32	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Bicentennial Park	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Camp Holiday Hill	CTWC	NC	132	-	0.007	0.007	-	0.007		0.007	-	-	-	-	-	-	-	-	-	-
Mansfield	Coyote Flaco	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Mansfield	Cumberland Farms	CTWC	NC	33	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	First Church of Christ In Mansfield	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Holiday Mall	CTWC	NC	45	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Lions Park	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Lucky Strike Lanes, Inc.	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Mansfield Drive-In	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Mansfield Library Buchanan Center	Windham Water Works	NC	217	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Mansfield	Mansfield Marketplace	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Mansfield X-Tra Mart	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Public America/Mansfield Aquasition	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Red Barn Creamery	CTWC	NC	28	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Spring Hill Cafe LLC	CTWC	NC	72	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Thompsons General Store	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Mansfield	Toast Four Corners	CTWC	NC	316	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Mansfield	Annie E. Vinton School	CTWC	NTNC	313	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Mansfield	Community Childrens Center Inc.	CTWC	NTNC	52	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Mansfield	Goodwin Elementary School	CTWC	NTNC	340	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Mansfield	Mansfield Middle School	CTWC	NTNC	715	-	0.011	0.011	-	0.011		0.011	-	-	-	-	-	-	-	-	-	-
Mansfield	Mansfield Professional Park	CTWC	NTNC	100	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Mansfield	Mansfield Shopping Center	CTWC	NTNC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Mount Hope Montessori School	Windham Water Works	NTNC	88	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Mansfield	Oak Grove Montessori School	Windham Water Works	NTNC	77	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Mansfield	Perkins Corner	CTWC	NTNC	45	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Mansfield	Southeast School	Windham Water Works	NTNC	311	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Marlborough	Aquarion Water Co of CT-Birchwood Estate	Town of Marlborough	C	251	0.012	-	0.012	0.011	0.023	-	0.023	0.010			0.010						(0.014)
Marlborough	CTWC - Florence Lord (Mash)	Town of Marlborough	C	30	0.001	-	0.001	-	0.001	-	0.001	0.034			0.034						0.033
Marlborough	CTWC - Forest Homes Division	Town of Marlborough	C	100	0.005	-	0.005	-	0.005	-	0.005	0.005			0.005						0.001
Marlborough	CTWC - Marlborough Gardens	Town of Marlborough	C	110	0.004	-	0.004	-	0.004	-	0.004	0.024			0.024						0.020
Marlborough	CTWC - Sachem Village Condo	Town of Marlborough	C	166	0.005	-	0.005	0.001	0.006	-	0.006	0.050			0.050						0.044
Marlborough	Hillside Corporation	Town of Marlborough	C	136	0.010	-	0.010	-	0.010	-	0.010	0.018			0.018						0.008

Table B-5: Central PWSMA - 20-Year (2030) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2030 Residential Demand	2030 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2030 Total ADD	Water Sold to Other Utility	2030 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Marlborough	Laurel Hill Water Association	Town of Marlborough	C	86	0.006	-	0.006	-	0.006	-	0.006	0.024			0.024						0.017
Marlborough	Marlborough Health Care Center, Inc	Town of Marlborough	C	165	0.012	-	0.012	-	0.012	-	0.012	0.028			0.028						0.016
Marlborough	17 North Main Street	Town of Marlborough	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Marlborough	American Legion Post 197	Town of Marlborough	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	Deep Eastern District Headquarters	Town of Marlborough	NC	53	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	Fellowship Community Church	Town of Marlborough	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Marlborough	Hartford County 4-H Camp	Town of Marlborough	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	J&S Enterprise LLC	Town of Marlborough	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Marlborough	Jessica's Garden	Town of Marlborough	NC	36	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	Liberty Bank	Town of Marlborough	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Marlborough	Marlborough Country Barn# 1	Town of Marlborough	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Marlborough	Marlborough Country Barn# 2	Town of Marlborough	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Marlborough	Marlborough Pizza Restaurant	Town of Marlborough	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	Marlborough Professional Center	Town of Marlborough	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	Marlborough Town Hall	Town of Marlborough	NC	38	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	St John Fisher Church	Town of Marlborough	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Marlborough	The Farm At Carter Hill	Town of Marlborough	NC	31	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Marlborough	Discovery Learning Center	Town of Marlborough	NTNC	70	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	Kids Club Child Care&Nursery Sch Ctr LLC	Town of Marlborough	NTNC	44	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Marlborough	Marlborough Congregational Church	Town of Marlborough	NTNC	97	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	Marlborough Municipal Water System	Town of Marlborough	NTNC	963	-	0.030	0.030	-	0.030		0.030	-	-	-	-	-	-	-	-	-	-
Marlborough	Middlesex Hosp. Marlborough Medical Ctr.	Town of Marlborough	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	Schneider Electric Motion USA	Town of Marlborough	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	The Diversified Group	Town of Marlborough	NTNC	65	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Meriden	Meriden Water Division	Meriden Water Division	C-Large	63,800	4.211	1.146	5.357	0.945	6.302	0.002	6.300	6.110	-	-	6.110	3.316	0.038	-	-	-	3.088
Meriden	New Life Church, Inc.	Meriden Water Division	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Meriden	The Meriden YMCA Outdoor Center	Meriden Water Division	NC	100	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Meriden	The Meriden YMCA Outdoor Center - Well 3	Meriden Water Division	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middlefield	Bittersweet Ridge Water Association	Town of Middlefield	C	40	0.003	-	0.003	-	0.003	-	0.003	0.010			0.010						0.007
Middlefield	Lakeview Estates	Town of Middlefield	C	78	0.006	-	0.006	-	0.006	-	0.006	0.050			0.050						0.044
Middlefield	Middlefield Housing Authority	Town of Middlefield	C	62	0.005	-	0.005	-	0.005	-	0.005	0.009			0.009						0.004
Middlefield	Old Indian Trail	Town of Middlefield	C	32	0.002	-	0.002	-	0.002	-	0.002	0.013			0.013						0.011
Middlefield	Reja - Rainbow Spring Water Company	Town of Middlefield	C	11	0.003	-	0.003	-	0.003	-	0.003	0.050			0.050						0.047
Middlefield	Sylvan Ridge Condominiums	Town of Middlefield	C	84	0.006	-	0.006	-	0.006	-	0.006	0.039			0.039						0.033
Middlefield	Middletown Water Department	Town of Middlefield	C-Large	20	0.001	0.025	0.027	0.005	0.031	-	0.031	-	-	0.220	(0.220)	0.031	-	-	-	-	(0.220)
Middlefield	108 Main Street	Town of Middlefield	NC	29	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middlefield	144 Meriden Rd	Town of Middlefield	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-

Table B-5: Central PWSMA - 20-Year (2030) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2030 Residential Demand	2030 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2030 Total ADD	Water Sold to Other Utility	2030 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Middlefield	Calvi Building	Town of Middlefield	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middlefield	Coginchaug Market	Town of Middlefield	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Middlefield	Golf Center At Lyman Orchards	Town of Middlefield	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middlefield	Guidas Drive-In Restaurant	Town of Middlefield	NC	40	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Middlefield	Indian Spring Golf Course	Town of Middlefield	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Middlefield	Levi Coe Library	Town of Middlefield	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middlefield	Lyman Orchards - Labor Camp	Town of Middlefield	NC	45	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Middlefield	Middlefield Administration Bldg	Town of Middlefield	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Middlefield	Middlefield Community Center & Firehouse	Town of Middlefield	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Middlefield	Peckham Park	Town of Middlefield	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middlefield	Red Dog Saloon	Town of Middlefield	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middlefield	Rovers Lodge	Town of Middlefield	NC	25	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Middlefield	St. Colman Church	Town of Middlefield	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middlefield	Victory Tabernacle Church	Town of Middlefield	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middlefield	Wadsworth Falls/Bathroom Well	Town of Middlefield	NC	527	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Middlefield	6 Way Road	Town of Middlefield	NTNC	78	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Middlefield	Cooper-Atkins Corp	Town of Middlefield	NTNC	86	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Middlefield	John Lyman School	Town of Middlefield	NTNC	285	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Middlefield	Lyman Orchard Country Farms Complex	Town of Middlefield	NTNC	84	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Middlefield	Memorial Middle School	Town of Middlefield	NTNC	359	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Middlefield	Middlefield Federated Church	Town of Middlefield	NTNC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middlefield	Powder Ridge Ski Lodge-Main Bldg	Town of Middlefield	NTNC	100	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Middlefield	The Independent Day School	Town of Middlefield	NTNC	199	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Middlefield	The Rogers Manufacturing Company	Town of Middlefield	NTNC	100	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Middletown	Berlin Water Control Commission	Middletown Water Department	C-Large	15	0.001	-	0.001	-	0.001	-	0.001	-			-	0.001					-
Middletown	Connecticut Valley Hospital	Stage Agency Existing Service Area (CVH)	C-Large	816	0.072	0.229	0.301	-	0.301	-	0.301	0.693	-	-	0.693	-	-	-	-	-	0.392
Middletown	Meriden Water Division	Middletown Water Department	C-Large	10	0.001	-	0.001	0.000	0.001	-	0.001	-	-	-	-	0.001	-	-	-	-	-
Middletown	Middletown Water Department	Middletown Water Department	C-Large	43,362	2.775	0.947	3.722	0.657	4.379	-	4.379	7.254	-	-	7.254	-	0.031	-	-	-	2.844
Middletown	Coyote Blue Restaurant	Middletown Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Middletown	Italian American Civic Order, Inc	Middletown Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Middletown	Middletown DOT Rest Area (I-91 North)	Middletown Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middletown	Miner Hills Family Golf LLC	Middletown Water Department	NC	29	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middletown	Ron McCutcheon Park	Middletown Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middletown	Kleen Energy Systems Inc	Middletown Water Department	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Middletown	NRG Middletown Operations	Middletown Water Department	NTNC	140	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Middletown	Pratt & Whitney	Middletown Water Department	NTNC	2,800	-	0.070	0.070	-	0.070		0.070	-	-	-	-	-	-	-	-	-	-
Milford	SCCRWA	SCCRWA	C-Large	57,322	2.981	1.710	4.691	0.521	5.212	-	5.212	-			-	5.212					-
Milford	Christ Redeemer Church	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Milford	Pickles Country Store & Deli	SCCRWA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
New Britain	New Britain Water Department	New Britain Water Department	C-Large	76,838	5.763	4.098	9.861	0.537	10.398	1.887	8.511	12.640	5.000	2.470	15.170	-	0.482	-	-	-	6.177
New Haven	SCCRWA	SCCRWA	C-Large	138,416	7.198	4.130	11.327	1.259	12.586	-	12.586	-			-	24.035	11.449				(0.000)
Newington	Metropolitan District Commission	MDC	C-Large	27,268	2.145	0.950	3.095	0.448	3.543	-	3.543	-		0.500	(0.500)	3.558	0.016				(0.500)
Newington	New Britain Water Department	New Britain Water Department	C-Large	1,400	0.105	0.025	0.130	0.010	0.140	-	0.140	-	-	-	-	0.140	-	-	-	-	-
Newington	Gospel Hall	MDC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Newington	Hi-View Motel	MDC	NC	25	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Newington	Newington Va Medical Center-Bldgs 3 & 42	MDC	NC	43	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Newington	Newington Va Medical Center-Building 1	MDC	NTNC	110	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-

Table B-5: Central PWSMA - 20-Year (2030) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2030 Residential Demand	2030 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2030 Total ADD	Water Sold to Other Utility	2030 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Newington	Newington Va Medical Center-Building 2C	MDC	NTNC	80	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Newington	Newington Va Medical Center-Building 2E	MDC	NTNC	335	-	0.007	0.007	-	0.007		0.007	-	-	-	-	-	-	-	-	-	-
North Branford	Blue Trails Water Association	SCCRWA	C	228	0.017	-	0.017	-	0.017	-	0.017	0.041			0.041						0.024
North Branford	Northford Glen Condominium Association	SCCRWA	C	84	0.006	-	0.006	-	0.006	-	0.006	0.050			0.050						0.044
North Branford	SCCRWA	SCCRWA	C-Large	8,384	0.436	0.250	0.686	0.076	0.762	-	0.762	35.000			35.000		19.584				14.653
North Branford	1409 Middletown Av. (Wells Fargo Bank)	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	1872 Middletown Avenue	SCCRWA	NC	29	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	1874 Middletown Avenue	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	531 Forest Road - N. Branford	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	Eventus Catering	SCCRWA	NC	44	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
North Branford	Joseph Diglio Properties	SCCRWA	NC	45	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	Mobil Station/Northford Foodmart	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	Northford Congregational Church	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	Northford Plaza Realty Group	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	Northford Shopping Center	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	Rite Aid	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	Rosabianca Vineyards	SCCRWA	NC	36	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
North Branford	Saint Ambrose Parish Corporation	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	5 Ardsley Avenue	SCCRWA	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
North Branford	Tilcon Connecticut Inc. - North Branford	SCCRWA	NTNC	38	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
North Haven	SCCRWA	SCCRWA	C-Large	23,160	1.204	0.691	1.895	0.211	2.106	-	2.106	-			-	2.106					-
North Haven	Pond Hill Baptist Church	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Haven	The Only Game In Town	SCCRWA	NC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Boxwood Condominium Association	CTWC	C	28	0.002	-	0.002	-	0.002	-	0.002	0.011			0.011						0.009
Old Lyme	Chadwick Homeowners Assn., Inc.	CTWC	C	292	0.022	-	0.022	-	0.022	-	0.022	0.050			0.050						0.028
Old Lyme	Laurel Heights Association, Inc.	CTWC	C	45	0.003	-	0.003	-	0.003	-	0.003	0.009			0.009						0.005
Old Lyme	Lyme Academy Apartments,LLC	CTWC	C	48	0.004	-	0.004	-	0.004	-	0.004	0.050			0.050						0.046
Old Lyme	Lyme Regis, Inc.	CTWC	C	32	0.002	-	0.002	-	0.002	-	0.002	0.009			0.009						0.007
Old Lyme	Lymewood Elderly Housing	CTWC	C	50	0.004	-	0.004	-	0.004	-	0.004	0.050			0.050						0.046
Old Lyme	Miami Beach Water Company	CTWC	C	440	0.033	-	0.033	-	0.033	-	0.033	0.050			0.050						0.017
Old Lyme	Mile Creek Apartments	CTWC	C	60	0.005	-	0.005	-	0.005	-	0.005	0.014			0.014						0.010
Old Lyme	Rye Field Manor Elderly Housing	CTWC	C	78	0.006	-	0.006	-	0.006	-	0.006	0.016			0.016						0.010
Old Lyme	CTWC - Shoreline Region-Point O Woods	CTWC	C-Large	937	0.032	0.000	0.032	0.011	0.043	-	0.043	0.111	-	-	0.111	-	-	-	-	-	0.068
Old Lyme	CTWC - Shoreline Region-Sound View	CTWC	C-Large	1,797	0.048	0.006	0.054	0.003	0.057	-	0.057	0.162	-	-	0.162	-	-	-	-	-	0.105
Old Lyme	34 Lyme Street	CTWC	NC	35	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	64-68 Lyme Street	CTWC	NC	36	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	85 Halls Road	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	A. C. Peterson's Drive-In	CTWC	NC	33	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Advanced Family Dentistry of Old Lyme	CTWC	NC	31	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	All Pro Automotive	CTWC	NC	35	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Bee & Thistle Inn	CTWC	NC	25	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Old Lyme	Black Hall Club	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Church of Christ The King	CTWC	NC	305	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	First Congregational Church of Old Lyme	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Florence Griswold Museum	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Graybill Properties, LLC	CTWC	NC	35	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Hains Park	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	High Hopes Therapeutic Riding Inc	CTWC	NC	44	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Jia Mei LLC	CTWC	NC	42	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Laysville Center Stores	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Lyme Art Association	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Lymes' Senior Ctr/Town Woods Park	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Old Lyme Country Club House	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Old Lyme Country Club- Pool Cabana	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-

Table B-5: Central PWSMA - 20-Year (2030) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2030 Residential Demand	2030 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2030 Total ADD	Water Sold to Other Utility	2030 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Old Lyme	Old Lyme Country Club- Tennis Court	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Old Lyme Inn	CTWC	NC	45	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Old Lyme	Old Lyme Library	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Old Lyme Pizza Palace Inc.	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Saint Anns Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Stellas	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	The Village Shops	CTWC	NC	33	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Deep Marine Headquarters	CTWC	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Eastport - West	CTWC	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Eastport - West 2	CTWC	NTNC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Eastport, LLC	CTWC	NTNC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Eastport-North	CTWC	NTNC	100	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Old Lyme	Learn	CTWC	NTNC	53	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Lyme Academy of Fine Arts	CTWC	NTNC	300	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Old Lyme	Old Lyme Childrens Learning Center, Inc	CTWC	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Old Lyme Marketplace	CTWC	NTNC	70	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Old Lyme Shopping Center	CTWC	NTNC	100	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Region 18 Schools - Lyme Street	CTWC	NTNC	1,102	-	0.020	0.020	-	0.020		0.020	-	-	-	-	-	-	-	-	-	-
Old Saybrook	CTWC - Shoreline Region-Guilford System	CTWC	C-Large	8,117	0.478	0.177	0.654	0.125	0.779	-	0.779	-	-	-	-	0.779					-
Old Saybrook	732 Middlesex Turnpike	CTWC	NC	200	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Saybrook	Old Saybrook VFW	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Saybrook	Pasta Vita	CTWC	NC	49	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Orange	SCCRWA	SCCRWA	C-Large	12,821	0.667	0.383	1.049	0.117	1.166	-	1.166	-			-	6.378	5.212				-
Orange	Cedarwood Professional Associates	SCCRWA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Plainville	Valley Water Systems, Inc.	Valley Water Systerms	C-Large	18,518	1.037	0.217	1.254	0.109	1.363	-	1.363	3.570	0.200	-	3.770		0.067		0.001	0.000	2.339
Plainville	Asia Darbar	Valley Water Systerms	NC	35	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Plainville	Valley W.S. North Mountain Pump Station	Valley Water Systerms	NTNC	0	-	0.001	0.001	-	0.001	-	0.001	-	-	-	-	-	-	0.001	-	0.001	-
Portland	CTWC - Rivercrest Division	Portland Water Department	C	88	0.002	-	0.002	-	0.002	-	0.002	0.050			0.050						0.048
Portland	Riverdale Properties, Inc.	Portland Water Department	C	96	0.007	-	0.007	-	0.007	-	0.007	0.050			0.050						0.043
Portland	Portland Water Department	Portland Water Department	C-Large	4,500	0.480	0.150	0.630	0.158	0.788	-	0.788	0.300	1.100	-	1.400	-	-	-	-	0.447	0.613
Portland	860 Portland Cobalt Road	Portland Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Portland	Axelrod Tire And Service Center	Portland Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Portland	Cove View Plaza	Portland Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Portland	Eggs Up Grill	Portland Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Portland	Portland Citgo	Portland Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Portland	St. Clements Estate- Banquet Hall System	Portland Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Portland	St. Clements Estate- Castle System	Portland Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Portland	Winchester Cafe	Portland Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Portland	Childrens Lighthouse Childcare	Portland Water Department	NTNC	36	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Rocky Hill	Metropolitan District Commission	MDC	C-Large	19,865	1.563	0.692	2.255	0.326	2.581	-	2.581	-			-	2.584	0.003				(0.000)
Simsbury	Ethel Walker School	AWC	C	325	0.024	-	0.024	-	0.024	-	0.024	0.050			0.050						0.026
Simsbury	Aquarion Water Co of CT-Simsbury System	AWC	C-Large	14,464	1.434	0.481	1.915	0.342	2.258	-	2.258	4.908	-	-	4.908	-	0.182	-	-	-	2.468
Simsbury	Avon Water Co	Avon Water Company	C-Large	494	0.041	0.124	0.165	0.007	0.171	-	0.171	-	-		-	0.171					-
Simsbury	Tariffville Fire District Water Dept	AWC	C-Large	1,371	0.082	0.016	0.098	0.009	0.107	-	0.107	0.252	-	-	0.252	-	-	-	-	-	0.145
Simsbury	1610-1616 Hopmeadow Street	AWC	NC	31	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-

Table B-5: Central PWSMA - 20-Year (2030) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2030 Residential Demand	2030 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2030 Total ADD	Water Sold to Other Utility	2030 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Simsbury	Shepherd of The Hills Lutheran Church	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Simsbury	Talcott Mountain S.P.	AWC	NC	793	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Simsbury	Tower Ridge Country Club	AWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Simsbury	The Masters School	AWC	NTNC	372	-	0.006	0.006	-	0.006		0.006	-	-	-	-	-	-	-	-	-	-
Somers	Hazardville - Rye Hill System	Hazardville Water Company	C	352	0.025	-	0.025	0.003	0.028	-	0.028	-	0.100		0.100					0.028	0.072
Somers	Connecticut Correctional Institute	CTWC	C-Large	3,522	0.321	0.036	0.357	0.122	0.479	-	0.479	0.650	-	-	0.650	-	-	-	-	-	0.171
Somers	CTWC - Northern Reg-Western System	CTWC	C-Large	1,351	0.091	0.055	0.146	0.017	0.163	0.028	0.135	0.173	-	0.100	0.073	0.062	-	-	-	-	-
Somers	Hazardville Water Company	Hazardville Water Company	C-Large	1,007	0.062	0.012	0.074	0.009	0.083	-	0.083	-	-		-	0.083					-
Somers	Cedar Knob Golf Course	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Somers	Pleasant View Golf Ctr.	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Somers	Worthington Pond Farm	Hazardville Water Company	NC	262	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Somers	Grower Direct Farms Inc	Hazardville Water Company	NTNC	160	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Somers	Northfield Commons Association	CTWC	NTNC	80	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
South Windsor	CTWC - Northern Reg-Western System	CTWC	C-Large	13,523	0.909	0.350	1.259	0.173	1.432	-	1.432	0.368	-	-	0.368	1.065	-	-	-	-	-
South Windsor	Manchester Water Department	Manchester Water Department	C-Large	60	0.004	-	0.004	0.001	0.005	-	0.005	-	-		-	0.005	-	-	-	-	-
South Windsor	Metropolitan District Commission	MDC	C-Large	12,131	0.954	0.422	1.377	0.199	1.576	-	1.576	-			-	1.576					-
South Windsor	Fairway Miniature Golf And Batting Cages	MDC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
South Windsor	Messiah Lutheran Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
South Windsor	Learning Center, LLC.	MDC	NTNC	61	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
South Windsor	Mitchell Associates	CTWC	NTNC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Southington	Apple Valley Village	Southington Water Department	C	70	0.007	-	0.007	-	0.007	-	0.007	0.050			0.050						0.044
Southington	Meriden Water Division	Southington Water Department	C-Large	130	0.009	-	0.009	0.002	0.010	-	0.010	-	-	-	-	0.010	-	-	-	-	-
Southington	New Britain Water Department	New Britain Water Department	C-Large	0	-	0.001	0.001	-	0.001	-	0.001	-	-	-	-	0.001	-	-	-	-	-
Southington	Southington Water Department	Southington Water Department	C-Large	45,312	2.774	1.044	3.818	0.510	4.328	-	4.328	7.000	-	-	7.000	-	0.052	-	-	-	2.620
Southington	Valley Water Systems, Inc.	Southington Water Department	C-Large	763	0.043	0.009	0.052	0.004	0.056	-	0.056	-	-	-	-	0.056					-
Southington	1103 Queen Street, LLC	Southington Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Southington	1217 Queen St	Southington Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Southington	1226-1234 Queen St - Strip Mall	Southington Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Southington	Golf Quest - Southington	Southington Water Department	NC	28	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Southington	Hidden Valley Mini Golf - Batter Up	Southington Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Southington	Hollywood Lounge	Southington Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Southington	Panthorn Park Upper Restroom	Southington Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Southington	Perry Plaza	Southington Water Department	NC	32	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Southington	River Bend Plaza	Southington Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Southington	Rogers Orchards	Southington Water Department	NC	43	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Southington	Saints Drive-In Restaurant	Southington Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Southington	Southington Sportsman Assn., Inc.	Southington Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Johnson Memorial Hospital, Inc	CTWC	C	250	0.019	-	0.019	-	0.019	-	0.019	0.050			0.050						0.031
Stafford	Stafford Hollow Water Association	CTWC	C	429	0.032	-	0.032	-	0.032	-	0.032	0.050			0.050						0.018

Table B-5: Central PWSMA - 20-Year (2030) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2030 Residential Demand	2030 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2030 Total ADD	Water Sold to Other Utility	2030 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Stafford	CTWC - Northern Reg-Stafford System	CTWC	C-Large	2,380	0.141	0.326	0.467	0.070	0.537	-	0.537	0.700	-	-	0.700	-	-	-	-	-	0.163
Stafford	Bonnie - Jean's Kitchen	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Drp Properties LLC	CTWC	NC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Stafford	Mineral Springs Campground-System #1	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Mineral Springs Campground-System #2	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Ric's Place	CTWC	NC	27	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Roaring Brook Campgnd Coop/Pool/Rest/Rec	CTWC	NC	42	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Stafford	Roaring Brook Campground	CTWC	NC	35	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Stafford	Stafford Professional Suites	CTWC	NC	33	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Sun Valley Beach Club	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Stafford	Sun Valley Campground-System #1:Well194	CTWC	NC	50	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Stafford	Sun Valley Campground-System #2:Well 56	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Sun Valley Campground-System #3:Well 40	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Sun Valley Campground-System #4:Well 214	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Ttm Printed Circuit - Building 3A Annex	CTWC	NC	45	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Big Y Food Store	CTWC	NTNC	150	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Stafford	Big Y Satellite Stores	CTWC	NTNC	100	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Stafford	Brookside Professional Centre	CTWC	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Johnson Memorial Hospital- Cmec Building	CTWC	NTNC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	McDonalds Restaurant	CTWC	NTNC	34	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Stafford	Red Balloon Daycare	CTWC	NTNC	55	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Staffordville School	CTWC	NTNC	284	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Stafford	Ttm Printed Circuit - 15 Industrial Dr	CTWC	NTNC	120	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Stafford	Ttm Printed Circuit - 228 Upper Road	CTWC	NTNC	150	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Stafford	Ttm Printed Circuit - Building 5	CTWC	NTNC	51	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	West Stafford School	CTWC	NTNC	240	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Suffield	Aquarion Water Co of CT - W Service Corp	CTWC	C	595	0.042	0.000	0.043	0.003	0.046	-	0.046	0.050			0.050						0.004
Suffield	CTWC - Northern Reg-Western System	CTWC	C-Large	7,778	0.523	0.180	0.703	0.100	0.802	-	0.802	0.233	-	-	0.233	0.570	-	-	-	-	-
Suffield	1365 Mountain Road - Suffield	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Suffield	Airways Golf Course	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Suffield	Good Shepherd Lutheran Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Suffield	Sunrise Park - Pavilion	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Suffield	Sunrise Park - Superintendents House	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Suffield	VFW Post 9544	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Suffield	Baker Nurseries	CTWC	NTNC	200	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Tolland	Baxter Farms Community Water Assoc	Tolland Water Department	C	175	0.013	-	0.013	-	0.013	-	0.013	0.031			0.031						0.018
Tolland	Eastview Kozley Water Association	Tolland Water Department	C	60	0.005	-	0.005	-	0.005	-	0.005	0.018			0.018						0.014
Tolland	Ivy Woods	Tolland Water Department	C	207	0.006	-	0.006	-	0.006	-	0.006	0.050			0.050						0.044
Tolland	Norwegian Woods Apartments	Tolland Water Department	C	252	0.019	-	0.019	-	0.019	-	0.019	0.043			0.043						0.024
Tolland	Stone Pond Condominiums	Tolland Water Department	C	141	0.011	-	0.011	-	0.011	-	0.011	0.050			0.050						0.039
Tolland	Tolland Water Dept - Torry Road	Tolland Water Department	C	204	0.009	0.002	0.011	0.001	0.012	-	0.012	-	0.012		0.012					0.012	-
Tolland	Village At Crystal Springs	Tolland Water Department	C	172	0.005	-	0.005	-	0.005	-	0.005	0.029			0.029						0.024
Tolland	Woodland Summit Community Water Assn	CTWC	C	216	0.016	-	0.016	-	0.016	-	0.016	0.023			0.023						0.007

Table B-5: Central PWSMA - 20-Year (2030) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2030 Residential Demand	2030 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2030 Total ADD	Water Sold to Other Utility	2030 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Tolland	CTWC - Northern Reg-Western System	CTWC	C-Large	981	0.066	0.075	0.141	0.013	0.154	0.012	0.142	-	-	-	-	0.407	0.265	-	-	-	-
Tolland	Tolland Water Department	Tolland Water Department	C-Large	2,022	0.142	0.076	0.218	0.020	0.238	0.012	0.226	0.304	-	0.030	0.274	-	-	-	-	-	0.048
Tolland	167 Tolland Stage Road - Tolland	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Tolland	404 Merrow Road - Tolland	Tolland Water Department	NC	33	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Tolland	Crandalls Lodge	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Tolland	Crandalls Park	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Tolland	Cross Farms Complex	Tolland Water Department	NC	27	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Tolland	Del-Aire Campground - System #2, Well#2	CTWC	NC	50	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Tolland	Del-Aire Campground - System 1 (Store)	CTWC	NC	27	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Tolland	Girl Scouts of Ct, Inc (Dining Room)	Tolland Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Tolland	Girl Scouts of Ct, Inc. (Stone House)	Tolland Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Tolland	Seventh Day Adventist Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Tolland	Tolland Citgo	Tolland Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Tolland	First Baptist Church of Tolland	Tolland Water Department	NTNC	80	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Tolland	Miss Merry Mac's Daycare	Tolland Water Department	NTNC	64	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Tolland	State Police Barracks Troop C	Tolland Water Department	NTNC	70	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Tolland	Tolland Professional Center	CTWC	NTNC	26	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Tolland	U.S. Department of Agriculture - Tolland	Tolland Water Department	NTNC	36	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Vernon	CTWC - Northern Reg-Llynwood System	CTWC	C	192	0.006	-	0.006	-	0.006	-	0.006	0.020			0.020						0.014
Vernon	CTWC - Northern Reg-Reservoir Heights	CTWC	C	62	0.004	-	0.004	0.001	0.005	-	0.005	-	0.007		0.007					0.005	0.002
Vernon	Vernon Village Inc.	CTWC	C	430	0.032	-	0.032	-	0.032	-	0.032	0.050			0.050						0.018
Vernon	CTWC - Northern Reg-Western System	CTWC	C-Large	19,336	1.300	0.460	1.760	0.248	2.007	-	2.007	9.590	-	-	9.590	-	2.044	-	0.000	-	5.539
Vernon	Manchester Water Department	Manchester Water Department	C-Large	70	0.005	-	0.005	0.001	0.005	-	0.005	-	-		-	0.005	-	-	-	-	-
Vernon	500 East Plaza	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Vernon	Camp Newhoca	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Vernon	Camp Newhoca Park	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Vernon	Carlo Realty (458 Plaza)	CTWC	NC	50	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Vernon	Italian Social Club of Rockville	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Vernon	Little Marks Big Barbecue	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Vernon	Valley Falls Park	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Wallingford	Meriden Water Division	Wallingford Water Division	C-Large	80	0.005	0.018	0.023	0.004	0.027	-	0.027	-	-	-	-	0.027	-	-	-	-	-
Wallingford	Wallingford Water Division	Wallingford Water Division	C-Large	41,631	2.086	2.118	4.204	0.581	4.785	-	4.785	9.079	-	-	9.079	-	0.008	-	-	-	4.286
Wallingford	Blue Trail Rifle Range	Wallingford Water Division	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Wallingford	South Broad Street Service Area	Wallingford Water Division	NTNC	250	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	0.002	-
Wallingford	Tilcon Connecticut Inc. - Wallingford	Wallingford Water Division	NTNC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
West Hartford	Metropolitan District Commission	MDC	C-Large	60,742	4.779	2.538	7.317	0.997	8.314	0.422	7.892	77.100		5.650	71.450		48.774				14.784
West Haven	SCCRWA	SCCRWA	C-Large	55,772	2.900	1.664	4.564	0.507	5.071	-	5.071	-			-	11.449	6.378				(0.000)
Westbrook	Safe Harbor, Inc.	CTWC	C	50	0.004	-	0.004	-	0.004	-	0.004	0.050			0.050						0.046
Westbrook	CTWC - Shoreline Region-Guilford System	CTWC	C-Large	4,174	0.246	0.091	0.337	0.064	0.401	-	0.401	0.380	-	-	0.380	0.800	0.779				-
Westbrook	Kingdom Hall of Jehovahs Witness	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Westbrook	Clinton Nurseries - Primary System	CTWC	NTNC	100	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Westbrook	Clinton Nurseries - Secondary System	CTWC	NTNC	143	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-

Table B-5: Central PWSMA - 20-Year (2030) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2030 Residential Demand	2030 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2030 Total ADD	Water Sold to Other Utility	2030 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Westbrook	Pumpkin Patch Daycare	CTWC	NTNC	105	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Wethersfield	Metropolitan District Commission	MDC	C-Large	25,626	2.016	0.892	2.909	0.421	3.330	-	3.330	-			-	5.914	2.584				0.000
Wethersfield	The 798 Silas Deane Highway, LLC	MDC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Willington	Cedar Ridge Apartments	CTWC	C	300	0.023	-	0.023	-	0.023	-	0.023	0.017			0.017						(0.005)
Willington	CTWC - Riversedge Division	CTWC	C	179	0.006	0.003	0.009	0.003	0.012	-	0.012	-	0.030	-	0.030	-	-	-	-	0.012	0.018
Willington	Deer Park Apartments	CTWC	C	125	0.009	-	0.009	-	0.009	-	0.009	0.050			0.050						0.041
Willington	Natural Park Apartments, LLC	CTWC	C	60	0.005	-	0.005	-	0.005	-	0.005	0.043			0.043						0.039
Willington	North Willington Village Condo Assoc.	CTWC	C	66	0.005	-	0.005	-	0.005	-	0.005	0.029			0.029						0.024
Willington	Ridgeview Heights	CTWC	C	96	0.007	-	0.007	-	0.007	-	0.007	0.050			0.050						0.043
Willington	Walden Apartments	CTWC	C	276	0.021	-	0.021	-	0.021	-	0.021	0.050			0.050						0.029
Willington	CTWC - Northern Reg-Western System	CTWC	C-Large	400	0.030	-	0.030	-	0.030	-	0.030	-	-	-	-	0.030	-	-	-	-	-
Willington	Willington Ridge Condos - System #1	CTWC	C	102	0.008	-	0.008	-	0.008	-	0.008	0.017			0.017						0.010
Willington	Willington Ridge Condos - System #2	CTWC	C	102	0.008	-	0.008	-	0.008	-	0.008	0.015			0.015						0.007
Willington	Willington Senior Center & Housing	CTWC	C	32	0.002	-	0.002	-	0.002	-	0.002	0.039			0.039						0.036
Willington	Woodhaven Apartments	CTWC	C	489	0.037	-	0.037	-	0.037	-	0.037	0.030			0.030						(0.006)
Willington	12 Tolland Turnpike (Route 74)	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Willington	15 River Road Plaza	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Willington	39 Adamec Road	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Willington	Moose Meadow Campground	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Willington	Schofield Spring	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Willington	Wilderness Lake Campground & Resort	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Willington	Willington Dunkin Donuts	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Willington	Willington Mobil	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Willington	Willington Pizza House	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Willington	Willington Public Library	CTWC	NC	50	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Willington	Willington Rest Area (I-84 E&W)	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Willington	Willington Xtra Mart	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Willington	Fed Ex Ground	CTWC	NTNC	200	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Willington	Kids Kingdom Daycare Center	CTWC	NTNC	118	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Willington	Phelps Crossing Commercial	CTWC	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Willington	TA Travel Plaza	CTWC	NTNC	130	-	0.006	0.006	-	0.006		0.006	-	-	-	-	-	-	-	-	-	-
Windsor	Metropolitan District Commission	MDC	C-Large	30,966	2.436	1.105	3.541	0.508	4.050	0.026	4.023	-			-	4.210	0.161				0.026
Windsor Locks	CTWC - Northern Reg-Western System	CTWC	C-Large	13,035	0.876	0.343	1.219	0.167	1.386	-	1.386	-	-	-	-	1.462	0.076	-	-	0.026	0.000
Windsor Locks	Dem Produce And Garden Center	CTWC	NC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Windsor Locks	Donut Kettle	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Woodbridge	SCCRWA	SCCRWA	C-Large	2,461	0.128	0.073	0.201	0.022	0.224	-	0.224	9.200			9.200		3.948				5.029
Woodbridge	Church of Latter Day Saints, Woodbridge	SCCRWA	NC	220	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Woodbridge	Tennis Central	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Woodbridge	Tradition Golf Club At Oak Lane	SCCRWA	NC	43	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Woodbridge	Woodbridge Club	SCCRWA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Woodbridge	125-131 Bradley Road - Woodbridge	SCCRWA	NTNC	385	-	0.008	0.008	-	0.008		0.008	-	-	-	-	-	-	-	-	-	-

Table B-6: Central PWSMA - 50-Year (2060) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2060 Residential Demand	2060 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2060 Total ADD	Water Sold to Other Utility	2060 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Andover	Hop River Homes	AWC	C	26	0.002	-	0.002	-	0.002	-	0.002	0.038			0.038						0.036
Andover	Whispering Hills, LLC - Well A System	AWC	C	16	0.001	-	0.001	-	0.001	-	0.001	0.010			0.010						0.009
Andover	Whispering Hills, LLC - Well D System	AWC	C	48	0.004	-	0.004	-	0.004	-	0.004	0.050			0.050						0.046
Andover	7-Eleven #32523	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Andover	Andover Plaza	AWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Andover	Andover Town Hall & Fire Department	AWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Andover	First Congregational Church	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Andover	Xtra Mart Water Supply	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Andover	Andover Elementary School	AWC	NTNC	381	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Andover	Network, Inc.	AWC	NTNC	77	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Andover	Scott Electrokrafts	AWC	NTNC	45	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Avon	Avon Water Co	Avon Water Company	C-Large	15,023	1.249	0.426	1.675	0.190	1.865	0.057	1.809	4.777	-	0.650	4.127		0.299				2.019
Avon	CTWC - Naugatuck Reg-Collinsville Sys	CTWC	C-Large	1,204	0.085	0.004	0.089	0.001	0.089	-	0.089	-	0.650	-	0.650	-	-	-	-	0.057	0.561
Avon	CTWC - Unionville System	CTWC	C-Large	4,000	0.384	0.025	0.409	0.026	0.435	-	0.435	-	-	-	-	0.435	-	-		-	-
Avon	Farmington Valley Arc	Avon Water Company	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Avon	Talcott Mountain Science Center #1	Avon Water Company	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Avon	Talcott Mountain Science Center #2	Avon Water Company	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Berlin	Berlin Water Control Commission	Berlin Water Control Commission	C-Large	8,975	0.609	0.653	1.262	0.140	1.403	0.218	1.184	0.756	1.600	0.685	1.671		0.001			0.743	0.486
Berlin	Kensington Fire District	Kensington Fire District	C-Large	9,640	0.703	0.326	1.029	0.140	1.169	-	1.169	-	1.169	-	1.169	-	-	-	-	1.169	-
Berlin	New Britain Water Department	New Britain Water Department	C-Large	212	0.016	0.003	0.019	0.000	0.019	-	0.019	-	-	-	-	0.019	-	-	-	-	-
Berlin	Worthington Fire District	Worthington Fire District	C-Large	3,713	0.260	0.097	0.357	0.054	0.410	-	0.410	-	0.685		0.685					0.410	0.275
Berlin	Berlin Bowling Center	Berlin Water Control Commission	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Berlin	Safari Golf	Berlin Water Control Commission	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Berlin	Svea Social Club	Berlin Water Control Commission	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Berlin	Sunny Border Nursery	Berlin Water Control Commission	NTNC	135	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Berlin	Metropolitan District Commission	Berlin Water Control Commission	C-Large	163	0.013	-	0.013	0.003	0.015	-	0.015	-			-	0.015					-
Bethany	Bethany Mobile Home Park	SCCRWA	C	138	0.010	-	0.010	-	0.010	-	0.010	0.050			0.050						0.040
Bethany	SCCRWA	SCCRWA	C-Large	3,007	0.156	0.083	0.239	0.027	0.266	-	0.266	-			-	0.266					-
Bethany	119 Amity Road	SCCRWA	NC	28	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bethany	667-687 Amity Road	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bethany	Bethany Mart	SCCRWA	NC	100	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bethany	Bethany Volunteer Fire Dept Hq	SCCRWA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bethany	Billy's Ice Cream & Marketplace	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bethany	Christ Episcopal Church	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bethany	Country Corner Diner LLC	SCCRWA	NC	32	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bethany	First Church of Christ Congregational	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bethany	Steves Deli	SCCRWA	NC	102	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bethany	Teddy Bs	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bethany	Veterans Memorial Park Pavillion	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bethany	Woodhaven Country Club	SCCRWA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bethany	234 Amity Road	SCCRWA	NTNC	55	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bethany	41 Village Lane Office Park	SCCRWA	NTNC	33	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bethany	Amity Regional Junior High School	SCCRWA	NTNC	475	-	0.007	0.007	-	0.007		0.007	-	-	-	-	-	-	-	-	-	-
Bethany	Amity Village - Bethany 63 Plaza	SCCRWA	NTNC	65	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bethany	Bethany Town Center	SCCRWA	NTNC	750	-	0.011	0.011	-	0.011		0.011	-	-	-	-	-	-	-	-	-	-
Bethany	Laticrete International	SCCRWA	NTNC	75	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Bethany	M & M Properties	SCCRWA	NTNC	38	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bethany	State Police Barracks Troop I	SCCRWA	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bethany	The Graduate Institute	SCCRWA	NTNC	180	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-

Table B-6: Central PWSMA - 50-Year (2060) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2060 Residential Demand	2060 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2060 Total ADD	Water Sold to Other Utility	2060 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Bloomfield	Grant Hill Associates, Inc.	MDC	C	97	0.007	-	0.007	-	0.007	-	0.007	0.045			0.045						0.038
Bloomfield	Juniper Club Inc.	MDC	C	104	0.008	-	0.008	-	0.008	-	0.008	0.027			0.027						0.019
Bloomfield	Orchard Hill Association	MDC	C	30	0.002	-	0.002	-	0.002	-	0.002	0.050			0.050						0.048
Bloomfield	Sharon Heights Water Association	MDC	C	51	0.004	-	0.004	-	0.004	-	0.004	0.032			0.032						0.029
Bloomfield	Metropolitan District Commission	MDC	C-Large	23,478	1.847	0.817	2.665	0.368	3.032	-	3.032	-			-	3.032					-
Bloomfield	J. C. C. Swim & Tennis Club	MDC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bloomfield	Penwood State Park/Main Park Well	MDC	NC	700	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Bolton	166 & 180 Boston Turnpike	CTWC	C	31	0.001	-	0.001	-	0.001	-	0.001	0.050			0.050						0.050
Bolton	890 Boston Turnpike	CTWC	C	60	0.005	-	0.005	-	0.005	-	0.005	0.032			0.032						0.028
Bolton	Cook Drive Association	CTWC	C	49	0.006	-	0.006	-	0.006	-	0.006	0.011			0.011						0.005
Bolton	CTWC - Northern Reg-Llynwood System	CTWC	C	192	0.006	-	0.006	-	0.006	-	0.006	0.020			0.020						0.014
Bolton	Southridge Park Apartments	CTWC	C	50	0.004	-	0.004	-	0.004	-	0.004	0.050			0.050						0.046
Bolton	Sunset Apartments LLC	CTWC	C	46	0.003	-	0.003	-	0.003	-	0.003	0.050			0.050						0.047
Bolton	1135 Boston Turnpike - Bolton	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	299 Boston Turnpike - Plaza	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	60 Villa Louisa - Villa Louisa/Rossittos	ESA Unassigned	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	A-One Food Store	ESA Unassigned	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	Bolton Congregational Church	ESA Unassigned	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	Bolton Gulf	CTWC	NC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	Bolton Ice Palace	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	Bolton Mobil	ESA Unassigned	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	Bolton Notch Plaza	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	Bolton Pizza	ESA Unassigned	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	Bolton Professional Bldg	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	Bolton Town Hall	Town of Bolton	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	Fish Family Farm	ESA Unassigned	NC	41	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	Georginas Pizza	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	Herrick Park	CTWC	NC	29	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	Our Place Restaurant	ESA Unassigned	NC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	Saint Maurice Church Well# 1	ESA Unassigned	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	Saint Maurice Church Well# 2	ESA Unassigned	NC	37	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	Three Js Cafe	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	United Methodist Church	CTWC	NC	35	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	Able Coil	CTWC	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	Bolton Center School (K-8)	Town of Bolton	NTNC	756	-	0.011	0.011	-	0.011		0.011	-	-	-	-	-	-	-	-	-	-
Bolton	Bolton High School	Town of Bolton	NTNC	304	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Bolton	Comcast Corporation	CTWC	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	Hans Christian Andersen Montessori	ESA Unassigned	NTNC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Bolton	Munson's Candy Kitchen	CTWC	NTNC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	Netsource, Inc.	ESA Unassigned	NTNC	75	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Bolton	Simoniz USA	CTWC	NTNC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Bolton	The Carlyle Johnson Machine Company	ESA Unassigned	NTNC	42	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Branford	SCCRWA	SCCRWA	C-Large	31,060	1.615	0.857	2.472	0.275	2.747	0.116	2.631	-		1.000	(1.000)	2.747					(0.884)
Canton	298-302 Albany Turnpike	CTWC	C	28	0.002	-	0.002	-	0.002	-	0.002	0.006			0.006						0.004
Canton	CTWC - Naugatuck Reg-Collinsville Sys	CTWC	C-Large	4,225	0.299	0.090	0.390	0.003	0.393	-	0.393	-	0.650	-	0.650	-	0.009	-	-	0.422	0.249
Canton	180 Cherry Brook Road - Canton	CTWC	NC	36	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Canton	192 Albany Turnpike - Canton	CTWC	NC	155	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Canton	306 Albany Turnpike	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Canton	310 Albany Turnpike	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Canton	First Congregational Church of Canton Ce	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Canton	Giv Coffee Roastery And Cafe	CTWC	NC	34	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Canton	North Canton United Methodist Church	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Canton	Roaring Brook Nature Center	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Canton	Canton Professional Building	CTWC	NTNC	35	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Canton	Cherry Brook School	CTWC	NTNC	615	-	0.007	0.007	-	0.007		0.007	-	-	-	-	-	-	-	-	-	-
Canton	Jonis Child Care	CTWC	NTNC	112	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Canton	Stepping Stones Educational Center	CTWC	NTNC	185	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-

Table B-6: Central PWSMA - 50-Year (2060) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2060 Residential Demand	2060 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2060 Total ADD	Water Sold to Other Utility	2060 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Chester	Aaron Manor Nursing & Rehab Center	CTWC	C	81	0.006	-	0.006	-	0.006	-	0.006	0.017			0.017						0.011
Chester	CTWC - Shoreline Reg-Chester Vllg West	CTWC	C	216	0.006	-	0.006	-	0.006	-	0.006	0.015	-	-	0.015						0.009
Chester	CTWC - Shoreline Region-Chester System	CTWC	C-Large	1,751	0.105	0.088	0.193	0.021	0.214	-	0.214	1.200	-	-	1.200		0.491				0.494
Chester	Brushmill By The Waterfall	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Chester	Camp Hazen YMCA Well #1	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Chester	Camp Hazen YMCA Well #3	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Chester	Guest House Retreat & Conference Center	CTWC	NC	25	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Chester	Roto Frank of America	CTWC	NTNC	70	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Chester	Twelve Inspiration Lane, LLC	CTWC	NTNC	68	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Chester	Whelen Engineering Co	CTWC	NTNC	525	-	0.013	0.013	-	0.013		0.013	-	-	-	-	-	-	-	-	-	-
Chester	Whelen Engineering Co - Aviation	CTWC	NTNC	100	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Clinton	Evergreen Trailer Park - System #1	CTWC	C	45	0.002	-	0.002	-	0.002	-	0.002	0.019			0.019						0.017
Clinton	Evergreen Trailer Park - System #2	CTWC	C	35	0.001	-	0.001	-	0.001	-	0.001	0.015			0.015						0.014
Clinton	Evergreen Trailer Park - System #3	CTWC	C	68	0.003	-	0.003	-	0.003	-	0.003	0.029			0.029						0.026
Clinton	Evergreen Trailer Park - System #4	CTWC	C	110	0.008	-	0.008	-	0.008	-	0.008	0.021			0.021						0.012
Clinton	Nod Hill Apartments	CTWC	C	48	0.004	-	0.004	-	0.004	-	0.004	0.008			0.008						0.004
Clinton	CTWC - Shoreline Region-Guilford System	CTWC	C-Large	9,000	0.502	0.200	0.702	0.078	0.780	-	0.780	4.920	-	-	4.920		2.073				2.067
Clinton	36 Killingworth Tnpk-Lantern Sq-Clinton	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Clinton	Chamard Vineyards	CTWC	NC	40	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Clinton	Indian River Recreational Complex	CTWC	NC	28	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	CTWC - Columbia Heights Div.	AWC	C	32	0.005	-	0.005	-	0.005	-	0.005	0.018			0.018						0.013
Columbia	Dartmouth Village Elderly Housing	AWC	C	25	0.002	-	0.002	-	0.002	-	0.002	0.050			0.050						0.048
Columbia	Woodland Terrace	AWC	C	27	0.002	-	0.002	-	0.002	-	0.002	0.019			0.019						0.017
Columbia	52 Route 66	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	Beckish Senior Center	AWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Columbia	Camp Asto Wamah - Hungerford	AWC	NC	100	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Columbia	Camp Asto Wamah - Infirmary	AWC	NC	100	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Columbia	Camp Asto Wamah - Lodge	AWC	NC	100	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Columbia	Columbia Beach House	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	Columbia Congregational Church	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	Columbia Town Hall	AWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Columbia	Cornerstone of Columbia	AWC	NC	193	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Columbia	Heartstone Farm & Winery, LLC	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	Hop River Motel	AWC	NC	25	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Columbia	Ica Donuts, LLC	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	Mottas Pastry & Bake Shop	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	Recreation Park	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	Rosemar LLC	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	Saint Columba Church	AWC	NC	49	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	The Lighthouse Restaurant	AWC	NC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Columbia	Baptist Fellowship Church	AWC	NTNC	48	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Columbia	Columbia Ford	AWC	NTNC	95	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Columbia	Columbia Manufacturing - Well #1	AWC	NTNC	150	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Columbia	Columbia Manufacturing - Well #2	AWC	NTNC	155	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Columbia	Discovery Zone Learning Center	AWC	NTNC	189	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Columbia	Eastconn Columbia	AWC	NTNC	60	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Columbia	Eastconn Early Childhood Center	AWC	NTNC	250	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Columbia	Horace Porter School	AWC	NTNC	797	-	0.012	0.012	-	0.012		0.012	-	-	-	-	-	-	-	-	-	-
Columbia	Mirjaf, Inc.	AWC	NTNC	85	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Coventry	Coventry Housing Authority-Lower System	CTWC	C	80	0.002	-	0.002	-	0.002	-	0.002	0.043			0.043						0.041
Coventry	Coventry Housing Authority-Upper System	CTWC	C	80	0.001	-	0.001	-	0.001	-	0.001	0.017			0.017						0.016
Coventry	CTWC - Coventry Hills Div	CTWC	C	700	0.031	-	0.031	-	0.031	-	0.031	0.050			0.050						0.019
Coventry	CTWC - General Water Division	CTWC	C	306	0.014	-	0.014	0.004	0.017	-	0.017	0.043			0.043						0.026
Coventry	CTWC - Northern Region-Lakeview Terrace	CTWC	C	472	0.012	-	0.012	0.003	0.015	-	0.015	0.022			0.022						0.007
Coventry	CTWC - Northern Region-	CTWC	C	256	0.005	-	0.005	0.001	0.006	-	0.006	0.009			0.009						0.002

Table B-6: Central PWSMA - 50-Year (2060) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2060 Residential Demand	2060 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2060 Total ADD	Water Sold to Other Utility	2060 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Coventry	CTWC - Northern Reg-Nathan Hale System	CTWC	C	160	0.005	-	0.005	-	0.005	-	0.005	0.016			0.016						0.011
Coventry	CTWC - Pilgrim Hills Division	CTWC	C	229	0.014	-	0.014	-	0.014	-	0.014	0.050			0.050						0.036
Coventry	CTWC - South Coventry System	CTWC	C	501	0.025	-	0.025	0.004	0.030	-	0.030	0.048			0.048						0.018
Coventry	Twin Hills Water District	CTWC	C	156	0.007	-	0.007	-	0.007	-	0.007	0.042			0.042						0.036
Coventry	1657 Boston Turnpike - Coventry	CTWC	NC	203	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Coventry	7-Eleven Coventry	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Channel 3 Country Camp	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Coventry	Cove Plaza	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Coventry Food Mart	CTWC	NC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Coventry Pizza Restaurant	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Coventry	Coventry Plaza	CTWC	NC	38	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Coventry Senior Center	Town of Coventry	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Coventry	Cvs Plaza - Coventry	CTWC	NC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Dimitris Pizza	CTWC	NC	26	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Coventry	Dunkin Donuts	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	McMc Investments LLC	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Coventry	Nathan Hale Homestead	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Patriots Park - Community Center	Town of Coventry	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Presbyterian Church of Coventry	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Saint Marys Church	CTWC	NC	31	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Skungamaug River Golf Course	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Coventry	Storrs Community Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Twin Hills Country Club	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Coventry	Walgreen's Pharmacy-Coventry	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Coventry Grammar School	Town of Coventry	NTNC	558	-	0.006	0.006	-	0.006		0.006	-	-	-	-	-	-	-	-	-	-
Coventry	Coventry High & Nathan Hale Schools	Town of Coventry	NTNC	1,252	-	0.023	0.023	-	0.023		0.023	-	-	-	-	-	-	-	-	-	-
Coventry	Coventry Kids Center	CTWC	NTNC	80	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	George Hersey Robertson School	Town of Coventry	NTNC	573	-	0.006	0.006	-	0.006		0.006	-	-	-	-	-	-	-	-	-	-
Coventry	Meadowbrook Shopping Center	CTWC	NTNC	40	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Coventry	Prince of Peace Lutheran Church	CTWC	NTNC	34	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Cromwell	Cromwell Fire District Water Department	Cromwell Fire District	C-Large	18,300	1.360	0.900	2.260	0.192	2.452	0.076	2.376	7.870		0.300	7.570						5.194
Cromwell	Metropolitan District Commission	Cromwell Fire District	C-Large	34	0.003	-	0.003	0.001	0.003	-	0.003	-			-	0.003					-
Cromwell	227 & 229 Shunpike Road	Cromwell Fire District	NC	41	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Cromwell	Convenience Store	Cromwell Fire District	NC	100	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Deep River	Ridgewood Hills Association, System #1	CTWC	C	18	0.001	-	0.001	-	0.001	-	0.001	0.019			0.019						0.018
Deep River	Ridgewood Hills Association, System #2	CTWC	C	18	0.001	-	0.001	-	0.001	-	0.001	0.019			0.019						0.018
Deep River	Ridgewood Hills Association, System #3	CTWC	C	18	0.001	-	0.001	-	0.001	-	0.001	0.019			0.019						0.018
Deep River	Ridgewood Hills Association, System #4	CTWC	C	18	0.001	-	0.001	-	0.001	-	0.001	0.019			0.019						0.018
Deep River	CTWC - Shoreline Region-Chester System	CTWC	C-Large	2,457	0.147	0.057	0.204	0.023	0.227	-	0.227	-	-	-	-	0.491	0.264				-
Deep River	Brewers Deep River Marina	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Deep River	Richcat, LLC	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Deep River	Incarnation Center, Inc	CTWC	NTNC	42	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Deep River	John Winthrop Junior High School	CTWC	NTNC	400	-	0.007	0.007	-	0.007		0.007	-	-	-	-	-	-	-	-	-	-
Deep River	Mount Saint John School	CTWC	NTNC	40	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Deep River	Valley Regional High School	CTWC	NTNC	565	-	0.010	0.010	-	0.010		0.010	-	-	-	-	-	-	-	-	-	-
Durham	Blue Trails Water Association	CTWC	C	228	0.017	-	0.017	-	0.017	-	0.017	0.041			0.041						0.024
Durham	Durham Center Division	Town of Durham	C	140	0.011	-	0.011	-	0.011	-	0.011	0.050	0.220		0.270						0.260
Durham	Durham Elderly Housing Division	Town of Durham	C	50	0.004	-	0.004	-	0.004	-	0.004	0.050			0.050						0.046
Durham	Durham Lexington Place Division	Town of Durham	C	45	0.003	-	0.003	-	0.003	-	0.003	0.050			0.050						0.047
Durham	Twin Maples Nursing Home	CTWC	C	100	0.008	-	0.008	-	0.008	-	0.008	0.023			0.023						0.015
Durham	Yeshiva of Waterbury-Durham Campus (Formerly Stonegate Springs NTNC)	Town of Durham	C	95	0.007	-	0.007	-	0.007	-	0.007	0.050			0.050						0.043
Durham	1041 New Haven Road - Durham	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	238 Main Street	Town of Durham	NC	47	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	325 Main Street	Town of Durham	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-

Table B-6: Central PWSMA - 50-Year (2060) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2060 Residential Demand	2060 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2060 Total ADD	Water Sold to Other Utility	2060 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Durham	459 Madison Rd	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	45R Ozick Drive - Unit 18-R	Town of Durham	NC	38	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Adams Commons, LLC.	Town of Durham	NC	43	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Camp Farnam	Town of Durham	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Carolyn Adams' Country Barn	Town of Durham	NC	29	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Citizens Bank - Durham	Town of Durham	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Commerce Circle Assoc	Town of Durham	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Dhi Enterprises, Inc.	CTWC	NC	31	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Dunkin Donuts	Town of Durham	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Durham Commons	Town of Durham	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Fas Mart #313	Town of Durham	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Grippos Mobil Service Center	Town of Durham	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Linos Market	Town of Durham	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Durham	New Haven Racoon Club	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	The Lnjs Realty Family Ltd Partnership	Town of Durham	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Durham	The United Churches of Durham - Church	Town of Durham	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Time Out Taverne	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	United Churches Corporation	Town of Durham	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Durham	Dd Durham	Town of Durham	NTNC	156	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Durham	Durham Manufacturing Company	Town of Durham	NTNC	200	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Durham	Frederick Brewster School	Town of Durham	NTNC	370	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Durham	Hobson Motzer, Inc.	Town of Durham	NTNC	200	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Durham	Morgan Am&T - Building #1	Town of Durham	NTNC	100	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Durham	Regional School Dist #13 Consolidation	Town of Durham	NTNC	1,261	-	0.023	0.023	-	0.023		0.023	-	-	-	-	-	-	-	-	-	-
East Granby	Chelsea Common Condominium Association	MDC	C	126	0.004	-	0.004	-	0.004	-	0.004	0.030			0.030						0.026
East Granby	GQC Well Commission	MDC	C	360	0.016	-	0.016	-	0.016	-	0.016	0.050			0.050						0.034
East Granby	Metacomet Homes-Well 1	MDC	C	27	0.002	-	0.002	-	0.002	-	0.002	0.009			0.009						0.007
East Granby	Metacomet Homes-Well 2	MDC	C	36	0.003	-	0.003	-	0.003	-	0.003	0.009			0.009						0.006
East Granby	Old Newgate Ridge Water Company Inc	MDC	C	208	0.016	-	0.016	-	0.016	-	0.016	0.050			0.050						0.034
East Granby	Turkey Hill of East Granby, LLC	AWC	C	360	0.025	-	0.025	-	0.025	-	0.025	0.050			0.050						0.025
East Granby	Aquarion Water Co of CT-Simsbury System	AWC	C-Large	221	0.022	0.007	0.029	0.005	0.034	-	0.034	-	-	-	-	0.034	-	-	-	-	-
East Granby	CTWC - Northern Reg-Western System	CTWC	C-Large	85	0.006	0.080	0.086	0.001	0.086	-	0.086	-	-	-	-	0.086	-	-	-	-	-
East Granby	Metropolitan District Commission	MDC	C-Large	952	0.075	0.075	0.150	0.015	0.164	-	0.164	-			-	0.164					-
East Granby	20 Copper Hill Road	MDC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Granby	95 Spoonville Road - East Granby	MDC	NC	29	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Granby	Brignole Vineyards, LLC	AWC	NC	35	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Granby	East Granby Farms	MDC	NC	27	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Granby	Hartford Gun Club - Main Club House	MDC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Granby	Acceleron	AWC	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Granby	Galasso Materials, LLC-Garage Well	MDC	NTNC	120	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
East Granby	Galasso Materials, LLC-Main Office Well	MDC	NTNC	120	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
East Granby	Galasso Materials, LLC-Sales Well	MDC	NTNC	120	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
East Haddam	31 Grist Mill Rd	Town of East Haddam	C	19	0.002	-	0.002	-	0.002	-	0.002	0.031			0.031						0.029
East Haddam	Chestelm Health & Rehabilitation Center	Town of East Haddam	C	120	0.007	-	0.007	-	0.007	-	0.007	0.019			0.019						0.012
East Haddam	CTWC - Banner Village	CTWC	C	265	0.006	-	0.006	0.003	0.009	-	0.009	0.050			0.050						0.041
East Haddam	CTWC - Lake Hayward	CTWC	C	650	0.005	-	0.005	0.004	0.009	-	0.009	0.050			0.050						0.041
East Haddam	Franklin Academy	Town of East Haddam	C	81	0.006	-	0.006	-	0.006	-	0.006	0.030			0.030						0.024
East Haddam	Goodspeed Actor Housing - The Village	Town of East Haddam	C	40	0.003	-	0.003	-	0.003	-	0.003	0.022			0.022						0.019
East Haddam	Oak Grove Senior Housing Corp	Town of East Haddam	C	72	0.005	-	0.005	-	0.005	-	0.005	0.013			0.013						0.008
East Haddam	12 Rae Palmes Road - East Haddam	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-

Table B-6: Central PWSMA - 50-Year (2060) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2060 Residential Demand	2060 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2060 Total ADD	Water Sold to Other Utility	2060 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
East Haddam	2 Norwich Road	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	32 Main Street - East Haddam	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	374 Town Street	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	381 Town Street - East Haddam	Town of East Haddam	NC	42	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	7-Eleven #32526	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	American Legion Post #156	Town of East Haddam	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	Cave Hill Resort	Town of East Haddam	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	Christ Community Church of East Haddam	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	East Haddam Public Library	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	East Haddam Senior Center	Town of East Haddam	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	First Church of Christ Congregational	Town of East Haddam	NC	89	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Fox Hopyard Golf Club - Pro Shop Well	Town of East Haddam	NC	40	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Fox Hopyard Golf Club(Club House Well)	Town of East Haddam	NC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	Gillette Castle State Park / Castle Well	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Gillette Castle State Park / Concession	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Goodspeed Realty LLC	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Grandview Camp Resort & Cottages	Town of East Haddam	NC	29	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	La Vita Gustosa	Town of East Haddam	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	Middlesex 4-H Camp	Town of East Haddam	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	Middlesex Hospital Medical Facility	Town of East Haddam	NC	31	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	My Fathers House	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Nathan Hale Plaza, LLC	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Rathbun Free Memorial Library	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Sanibel Farms Store	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	St Bridgets of Kildare Church	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	St Stephens Episcopal Church	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Town Office Complex	Town of East Haddam	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	Wolfs Den Campground-System #2:Main	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Wolfs Den Campground-System #3:Backup	Town of East Haddam	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Chestelm Adult Day Services, Inc.	Town of East Haddam	NTNC	39	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	East Haddam Elementary School	Town of East Haddam	NTNC	600	-	0.007	0.007	-	0.007		0.007	-	-	-	-	-	-	-	-	-	-
East Haddam	Goodspeed Opera House	Town of East Haddam	NTNC	150	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Haddam	Kindercare Learning Corp of Moodus	Town of East Haddam	NTNC	100	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-

Table B-6: Central PWSMA - 50-Year (2060) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2060 Residential Demand	2060 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2060 Total ADD	Water Sold to Other Utility	2060 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
East Haddam	Little Noises Day Care, LLC	Town of East Haddam	NTNC	44	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Little Village Preschool	Town of East Haddam	NTNC	34	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haddam	Nathan Hale-Ray High School	Town of East Haddam	NTNC	461	-	0.008	0.008	-	0.008		0.008	-	-	-	-	-	-	-	-	-	-
East Haddam	Nathan Hale-Ray Middle School	Town of East Haddam	NTNC	620	-	0.009	0.009	-	0.009		0.009	-	-	-	-	-	-	-	-	-	-
East Hampton	Aquarion Water Co of CT-East Hampton Div	East Hampton WPCA	C	189	0.006	-	0.006	0.001	0.007	-	0.007	0.008			0.008						0.001
East Hampton	Bellwood Court	East Hampton WPCA	C	31	0.002	-	0.002	-	0.002	-	0.002	0.008			0.008						0.005
East Hampton	Chatham Acres Elderly Housing	East Hampton WPCA	C	50	0.004	-	0.004	-	0.004	-	0.004	0.050			0.050						0.046
East Hampton	Chatham Apartments	East Hampton WPCA	C	40	0.003	-	0.003	-	0.003	-	0.003	0.043			0.043						0.040
East Hampton	Cobalt Lodge Healthcare & Rehab Center (Z, Inc.)	East Hampton WPCA	C	130	0.004	-	0.004	-	0.004	-	0.004	0.050			0.050						0.046
East Hampton	CTWC - Baker Hill Division	CTWC	C	203	0.006	-	0.006	-	0.006	-	0.006	0.029			0.029					0.000	0.023
East Hampton	CTWC - Spice Hill Division	East Hampton WPCA	C	712	0.028	-	0.028	-	0.028	-	0.028	0.049			0.049					0.000	0.020
East Hampton	CTWC - Westchester East	East Hampton WPCA	C	153	0.005	-	0.005	-	0.005	-	0.005	0.039			0.039						0.034
East Hampton	East Hampton WPCA - Royal Oaks System	East Hampton WPCA	C	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
East Hampton	East Hampton WPCA - Village Center	East Hampton WPCA	C	11,422	0.911	0.155	1.066	0.12	1.185	-	1.185	0.722	-	-	0.722	-	-	-	-	-	(0.463)
East Hampton	Edgemere Condominium Assn., Inc.	East Hampton WPCA	C	540	0.041	-	0.041	-	0.041	-	0.041	0.050			0.050						0.010
East Hampton	Mallard Cove Condominium Assn.	East Hampton WPCA	C	177	0.008	-	0.008	-	0.008	-	0.008	0.050			0.050						0.042
East Hampton	Westside Manor	East Hampton WPCA	C	30	0.002	-	0.002	-	0.002	-	0.002	0.010			0.010						0.007
East Hampton	197 East High Street	East Hampton WPCA	NC	31	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	227 West High Street - E Hampton	East Hampton WPCA	NC	39	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	26 East High Street	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	36 East High Street - East Hampton	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	37 East High Street - E Hampton	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	Angelicos Lakehouse	East Hampton WPCA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	Bethlehem Lutheran Church	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	Chatham Corner Building	East Hampton WPCA	NC	28	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	East Hampton Fire Station #1	East Hampton WPCA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	East Hampton Fire Station #2	East Hampton WPCA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	Food Bag	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	Food Bag - East High Street	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	Gustine's Rv Sales & Service	East Hampton WPCA	NC	31	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	Haddam Neck Covenant Church	East Hampton WPCA	NC	60	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	Hope Church of East Hampton	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	Kickback N Bowl	East Hampton WPCA	NC	28	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	Loco Perro	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	Nelsons Campground - Area G	East Hampton WPCA	NC	50	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
East Hampton	Nelsons Campground - Area H	East Hampton WPCA	NC	60	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
East Hampton	Pats Market Cobalt, LLC	East Hampton WPCA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	Rossinis	East Hampton WPCA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	Sears Park	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	Spencers Funeral Home	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	Sports On 66	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	St Patrick Church	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	St. Patrick Church - Parish Center	East Hampton WPCA	NC	33	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	VFW #5095	East Hampton WPCA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	201 West High Street	East Hampton WPCA	NTNC	64	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	3 Smith Street	East Hampton WPCA	NTNC	48	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	American Distilling & Manufacturing, Inc	East Hampton WPCA	NTNC	55	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	Brooks Plaza	East Hampton WPCA	NTNC	67	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	East Hampton Community Center	East Hampton WPCA	NTNC	26	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	East Hampton High School	East Hampton WPCA	NTNC	540	-	0.010	0.010	-	0.010		0.010	-	-	-	-	-	-	-	-	-	-
East Hampton	East Hampton Mall	East Hampton WPCA	NTNC	100	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
East Hampton	East Hampton Middle School	East Hampton WPCA	NTNC	459	-	0.007	0.007	-	0.007		0.007	-	-	-	-	-	-	-	-	-	-
East Hampton	Eversource Energy East Hampton Srvc Ctr	East Hampton WPCA	NTNC	80	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
East Hampton	Global Self Storage	East Hampton WPCA	NTNC	86	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Hampton	Lakeshore, LLC	CTWC	NTNC	94	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
East Hampton	Lakeview Court, LLC	East Hampton WPCA	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-

Table B-6: Central PWSMA - 50-Year (2060) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2060 Residential Demand	2060 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2060 Total ADD	Water Sold to Other Utility	2060 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
East Hampton	Markham Meadows Campground-Well #2	East Hampton WPCA	NTNC	49	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
East Hampton	Masonic Temple Assn of East Hampton	East Hampton WPCA	NTNC	75	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
East Hampton	McDonalds of East Hampton	East Hampton WPCA	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	Theater Square	East Hampton WPCA	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hampton	Town of East Hampton	East Hampton WPCA	NTNC	37	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Hartford	Metropolitan District Commission	MDC	C-Large	50,947	4.009	1.773	5.782	0.798	6.580	-	6.580	-			-	12.776	6.197				-
East Hartford	Cumberland Farms #4647	MDC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Haven	SCCRWA	SCCRWA	C-Large	27,158	1.412	0.749	2.161	0.240	2.402	-	2.402	11.800			11.800	18.369	27.768				-
East Haven	250 Bradley Street	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Windsor	East Windsor Housing Authority	CTWC	C	94	0.007	-	0.007	-	0.007	-	0.007	0.022			0.022						0.015
East Windsor	Markowski Farms	CTWC	C	155	0.012	-	0.012	-	0.012	-	0.012	0.038			0.038						0.026
East Windsor	School Hill Association, Inc.	CTWC	C	77	0.007	-	0.007	-	0.007	-	0.007	0.013			0.013						0.006
East Windsor	CTWC - Northern Reg-Western System	CTWC	C-Large	5,909	0.389	0.170	0.559	0.059	0.618	-	0.618	2.115	0.040	-	2.155	-	1.586	-	-	0.002	(0.049)
East Windsor	Hazardville Water Company	Hazardville Water Company	C-Large	41	0.003	0.002	0.005	0.000	0.005	0.002	0.003	-	-	0.040	(0.040)	0.005					(0.038)
East Windsor	Chesters Plaza	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Windsor	Deep - Flaherty Field Trial Area	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Windsor	East Windsor Park Snack Bar	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Windsor	First Congregational Church of E Windsor	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Windsor	Golden Irenes Restaurant	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Windsor	Kingdom Hall of Jehovahs Witnesses	CTWC	NC	90	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
East Windsor	Mulnite Farms	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Windsor	Bassdale Plaza - Well #1	CTWC	NTNC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
East Windsor	Sophias Plaza Ii/III	CTWC	NTNC	40	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Ellington	Meadowbrook Apartments, LLC	CTWC	C	60	0.005	-	0.005	-	0.005	-	0.005	0.050			0.050						0.046
Ellington	CTWC - Northern Reg-Western System	CTWC	C-Large	9,436	0.622	0.200	0.822	0.094	0.915	-	0.915	0.270	-	-	0.270	0.645	-	-	-	-	-
Ellington	Crystal Lake Community Methodist Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Ellington	Crystal Lake Plaza	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Ellington	Ellington Ridge Country Club	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Ellington	Luann's Bakery And Cafe	CTWC	NC	60	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Ellington	Rolling Meadows Country Club	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Ellington	Sj Ranch, Inc. (Well #1 - Kitchen)	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Ellington	Sj Ranch, Inc. (Well #2 - Overlook)	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Ellington	Sj Ranch, Inc. (Well #3 - Ranch House)	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Ellington	Crystal Lake School	CTWC	NTNC	275	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Enfield	Shaker Heights Water Company	CTWC	C	172	0.014	-	0.014	-	0.014	-	0.014	0.050			0.050						0.036
Enfield	Connecticut Correctional Institute	CTWC	C-Large	2,636	0.240	0.026	0.266	0.059	0.325	-	0.325	0.650	-	-	0.650	-	-	-	-	-	0.325
Enfield	CTWC - Northern Reg-Western System	CTWC	C-Large	25,164	1.658	0.530	2.188	0.250	2.438	-	2.438	4.695	-	-	4.695	-	0.716	-	-	-	1.541
Enfield	Hazardville Water Company	Hazardville Water Company	C-Large	17,262	1.071	0.200	1.271	0.152	1.423	-	1.423	4.435	-		4.435		0.088				2.924
Enfield	117 Hazard Avenue	Hazardville Water Company	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Enfield	Collins Creamery	Hazardville Water Company	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Enfield	Faith Baptist Church (Well #1)	Hazardville Water Company	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Enfield	Faith Baptist Church (Well #2)	Hazardville Water Company	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Enfield	Grassmere Country Club	Hazardville Water Company	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Enfield	Kingdom Hall of Jehovahs Witness	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Essex	Hemlock Apartments	CTWC	C	72	0.002	-	0.002	-	0.002	-	0.002	0.026			0.026						0.024
Essex	Heritage Cove Condominiums	CTWC	C	208	0.016	-	0.016	-	0.016	-	0.016	0.050			0.050						0.034
Essex	Meadowbrook Manor LLC	CTWC	C	30	0.002	-	0.002	-	0.002	-	0.002	0.010			0.010						0.008
Essex	CTWC - Shoreline Region-Chester System	CTWC	C-Large	2,859	0.172	0.066	0.238	0.026	0.264	-	0.264	0.140	-	-	0.140	0.264					0.140
Essex	Middlesex Medical Center (Essex)	CTWC	NC	40	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Essex	Shoreline Professional Center	CTWC	NC	38	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-

Table B-6: Central PWSMA - 50-Year (2060) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2060 Residential Demand	2060 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2060 Total ADD	Water Sold to Other Utility	2060 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Essex	Bolderdash	CTWC	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Essex	Kindercare of Essex	CTWC	NTNC	92	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Essex	L.C. Doane Co.	CTWC	NTNC	74	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Farmington	CTWC - Chimney Hill	CTWC	C	227	0.023	-	0.023	0.015	0.038	-	0.038	-	0.050	-	0.050	-	-	-	-	0.038	0.012
Farmington	Avon Water Co	Avon Water Company	C-Large	922	0.077	0.005	0.082	0.012	0.093	-	0.093	-	-		-	0.093					-
Farmington	CTWC - Unionville System	CTWC	C-Large	15,897	1.526	0.584	2.110	0.135	2.245		2.245	2.505	0.650		3.155					0.764	0.910
Farmington	Metropolitan District Commission	MDC	C-Large	3,129	0.246	0.911	1.158	0.049	1.207	0.802	0.404	-		0.700	(0.700)	1.207					0.102
Farmington	New Britain Water Department	New Britain Water Department	C-Large	1,350	0.101	0.210	0.311	0.003	0.314	-	0.314	-	-	-	-	0.314	-	-	-	-	-
Farmington	Valley Water Systems, Inc.	CTWC	C-Large	148	0.007	0.002	0.009	0.001	0.010	-	0.010	-	-	-	-	0.010					-
Farmington	1097 Farmington Avenue	CTWC	NC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Farmington	Carol's Lunchbox	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Farmington	Farmington Field Club	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Farmington	Farmington Polo Grounds	CTWC	NC	35	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Farmington	Riverfront Miniature Golf, Inc.	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Farmington	Winding Trails Recreation Assn - Lower	CTWC	NC	207	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Farmington	Winding Trails Recreation Assn - Upper	CTWC	NC	207	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Farmington	Farmington Club	CTWC	NTNC	100	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Glastonbury	Manchester Water Department	Manchester Water Department	C-Large	1,112	0.073	0.013	0.086	0.015	0.102	-	0.102	-	-		-	0.102	-	-	-	-	-
Glastonbury	Metropolitan District Commission	MDC	C-Large	30,745	2.419	1.517	3.936	0.481	4.418	0.447	3.971	-		1.100	(1.100)	4.418					(0.653)
Glastonbury	Dondero Orchards LLC	MDC	NC	29	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Glastonbury	E. Draghi & Sons, LLC	MDC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Glastonbury	Eastbury Pond	MDC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Glastonbury	Glastonbury Elks Club	MDC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Glastonbury	Glastonbury Hills Country Club	MDC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Glastonbury	J.B. Williams Park	MDC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Glastonbury	Robbs Farm LLC	MDC	NC	27	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Glastonbury	Roses Berry Farm	MDC	NC	40	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Glastonbury	Shah Properties LLC.	Manchester Water Department	NC	27	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Glastonbury	Eastbury School	MDC	NTNC	523	-	0.006	0.006	-	0.006		0.006	-	-	-	-	-	-	-	-	-	-
Glastonbury	Glastonbury Vehicle Maint. Garage	MDC	NTNC	41	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Glastonbury	Quality Name Plate	MDC	NTNC	85	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Granby	Aquarion Water Co of CT-Simsbury System	AWC	C-Large	1,074	0.106	0.036	0.142	0.025	0.168	-	0.168	-	-	-	-	0.168	-	-	-	-	-
Granby	Salmon Brook District Water Dept	AWC	C	934	0.070	0.063	0.133	0.029	0.162		0.162	0.269	-	-	0.269	-	-	-	-	-	0.107
Granby	496 Salmon Brook Street	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	565 Salmon Brook St - Granby	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	Bushy Hill Orchard	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	Granby Commons	AWC	NC	43	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Granby	Granby Motel	AWC	NC	25	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Granby	High Meadow Day Camp LLC	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	Holcomb Farms	AWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Granby	Jehovahs Witnesses	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	Life Church	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	Lost Acres Orchards	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	Old Mill Pond Village	AWC	NC	31	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	Pilgrim Covenant Church	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	St. Therese Roman Catholic Church Corp.	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	The Cambridge House	AWC	NC	40	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	West Granby United Methodist Church	AWC	NC	41	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	1 Salmon Brook Street - Granby	AWC	NTNC	80	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Granby	4 West Granby Road	AWC	NTNC	97	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Granby	First Congregational Church of Granby	AWC	NTNC	40	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Granby	Kelly Lane Intermediate School	AWC	NTNC	357	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Granby	Monrovia Nurseries (Floydville)	AWC	NTNC	80	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Granby	Monrovia Nurseries (Salmon Brook)	AWC	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Granby	Wells Road Intermediate School	AWC	NTNC	405	-	0.006	0.006	-	0.006		0.006	-	-	-	-	-	-	-	-	-	-

Table B-6: Central PWSMA - 50-Year (2060) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2060 Residential Demand	2060 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2060 Total ADD	Water Sold to Other Utility	2060 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Guilford	Quonnipaug Hills - Main System	CTWC	C	564	0.042	-	0.042	-	0.042	-	0.042	0.048			0.048						0.005
Guilford	Quonnipaug Hills - Section I	CTWC	C	27	0.002	-	0.002	-	0.002	-	0.002	0.010			0.010						0.008
Guilford	CTWC - Shoreline Region-Guilford System	CTWC	C-Large	13,700	0.763	0.305	1.068	0.119	1.187	-	1.187	0.760	1.000	-	1.760	0.311				0.116	0.884
Guilford	2311 Boston Post Road - Guilford	CTWC	NC	33	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Guilford	Anthonys of Guilford	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Guilford	Bittner Park	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Guilford	Lake Quonnipaug	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Guilford	New Haven Sportsman's Club Inc.	CTWC	NC	50	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Guilford	St Johns Episcopal Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Guilford	The Little Store	CTWC	NC	31	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Guilford	Guilford Veterinary Hospital	CTWC	NTNC	33	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Guilford	Melissa Jones School	CTWC	NTNC	484	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Guilford	North Guilford Congregational Church	CTWC	NTNC	40	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Guilford	Todays Plaza, LLC	CTWC	NTNC	54	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	High Meadow	CTWC	C	38	0.003	-	0.003	-	0.003	-	0.003	0.011			0.011						0.008
Haddam	Saybrook At Haddam	CTWC	C	155	0.012	-	0.012	-	0.012	-	0.012	0.019			0.019						0.008
Haddam	106 Bridge Road - Haddam	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	1564 Saybrook Road	CTWC	NC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	201 Saybrook Road	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	40 Saybrook Road	CTWC	NC	27	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	986 Killingworth Rd Plaza	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Brainard Memorial Library	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Camp Bethel	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Dinos Pizza Restaurant	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Gas Plus	CTWC	NC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Haddam Commons	CTWC	NC	200	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Haddam Meadows S.P.	CTWC	NC	780	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Haddam	Haddam Neck Congregational Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Haddam Neck Fair Hall	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Haddam Restaurant	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Haddam Senior Center	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Haddam Town Office Building	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Haddam Volunteer Fire Station #1	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Higganum Congregational Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Higgies Food And Ice Cream, LLC	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Little City Campground	CTWC	NC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Middlesex Extension Services	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Saybrook Road LLC	CTWC	NC	27	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	St Peters Church	CTWC	NC	26	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	The Blue Oar	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	The Haddam Neck Fair Association, Inc.	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	The Riverhouse At Goodspeed Station	CTWC	NC	304	-	0.009	0.009	-	0.009		0.009	-	-	-	-	-	-	-	-	-	-
Haddam	Three Oaks Plaza	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Tylerville Village 1	CTWC	NC	35	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Tylerville Village 2	CTWC	NC	35	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Veselak LLC	CTWC	NC	31	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	95 Bridge Road - Haddam	CTWC	NTNC	65	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Burr District Elementary School	CTWC	NTNC	528	-	0.006	0.006	-	0.006		0.006	-	-	-	-	-	-	-	-	-	-
Haddam	First Congregational Church of Haddam	CTWC	NTNC	61	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Haddam	Haddam Elementary School	CTWC	NTNC	350	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Haddam	Haddam-Killingworth High School	CTWC	NTNC	850	-	0.015	0.015	-	0.015		0.015	-	-	-	-	-	-	-	-	-	-
Haddam	Village Shopping Center	CTWC	NTNC	32	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Haddam	Young Horizons Daycare	CTWC	NTNC	60	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Hamden	SCCRWA	SCCRWA	C-Large	61,016	3.173	1.683	4.856	0.540	5.396	-	5.396	13.100			13.100		0.266				7.438
Hamden	Brooksvale Park - Field House	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hamden	Brooksvale Park-Veterans' Memorial Bldg	SCCRWA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Hamden	Church of The Ascension	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hamden	YMCA - Camp Mountain Laurel	SCCRWA	NC	180	-	0.009	0.009	-	0.009		0.009	-	-	-	-	-	-	-	-	-	-
Hamden	The Carrot Patch	SCCRWA	NTNC	52	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Hartford	Metropolitan District Commission	MDC	C-Large	156,609	12.322	5.452	17.774	2.452	20.226	-	20.226	-			-	43.371	23.145				-

Table B-6: Central PWSMA - 50-Year (2060) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2060 Residential Demand	2060 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2060 Total ADD	Water Sold to Other Utility	2060 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Hebron	Abby Water LLC	CTWC	C	100	0.008	-	0.008	-	0.008	-	0.008	0.027			0.027						0.020
Hebron	CTWC - Amston Lake Division	CTWC	C	910	0.028	-	0.028	-	0.028	-	0.028	0.044			0.044						0.016
Hebron	CTWC - Country Manor Apartments	CTWC	C	72	0.003	-	0.003	-	0.003	-	0.003	0.027			0.027						0.024
Hebron	CTWC - London Park Division	CTWC	C	221	0.008	-	0.008	0.001	0.010	-	0.010	0.050			0.050						0.040
Hebron	CTWC - Mill At Stonecroft Div	CTWC	C	127	0.008	-	0.008	-	0.008	-	0.008	0.036			0.036						0.027
Hebron	CTWC - Wellswood Village Div	CTWC	C	60	0.003	-	0.003	-	0.003	-	0.003	0.016			0.016						0.013
Hebron	Hebron Arms Apartments	CTWC	C	39	0.001	-	0.001	-	0.001	-	0.001	0.019			0.019						0.018
Hebron	Hillside Condominiums	CTWC	C	96	0.003	-	0.003	-	0.003	-	0.003	0.050			0.050						0.047
Hebron	Wellswood Estates Foundation, Inc.	CTWC	C	112	0.008	-	0.008	-	0.008	-	0.008	0.022			0.022						0.013
Hebron	CTWC - Hebron Center Division	CTWC	C	235	0.012	0.018	0.030	0.001	0.031	-	0.031	0.050	-	-	0.050	-	-	-	-	-	0.019
Hebron	Blackledge Country Club	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Hebron	Blackledge East LLC	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hebron	Camp Hemlocks - Easter Seals (Core Well)	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Hebron	Church of The Holy Family	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hebron	Gay City State Park/Picnic Area Well	CTWC	NC	33	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hebron	Gilead Congregational Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hebron	Hebron Church of Hope	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hebron	Mary & Allies Restaurant	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Hebron	Paradise Farms Plaza	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hebron	St. Peters Episcopal Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hebron	Tallwood Country Club	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Hebron	Town of Hebron East Street Park	CTWC	NC	37	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hebron	Town Office Buildings	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Hebron	Twin Lakes Cafe	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hebron	CTWC - Christ Lutheran Church	CTWC	NTNC	128	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Hebron	Gilead Hill School	CTWC	NTNC	391	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Hebron	Hebron Elementary School	CTWC	NTNC	475	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Hebron	Plaza Shopping Center	CTWC	NTNC	80	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	CTWC - Jensens Beechwood System	CTWC	C	750	0.030	-	0.030	-	0.030	-	0.030	0.050			0.050						0.020
Killingworth	M&M Realty Holdings LLC	CTWC	C	32	0.002	-	0.002	-	0.002	-	0.002	0.050			0.050						0.048
Killingworth	163 Route 81	CTWC	NC	35	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	177 Route 81	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	183 Route 81 LLC	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	206 Route 80	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	260 Route 80 - Killingworth	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	Chatfield Hollow S.P./Main Well	CTWC	NC	667	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Killingworth	Chatfield Hollow S.P./Shop Well	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	Country Squire Shoppes And Restaurant	CTWC	NC	31	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Killingworth	Deer Lake Scout Res.-Dining Hall Well 2	CTWC	NC	300	-	0.015	0.015	-	0.015		0.015	-	-	-	-	-	-	-	-	-	-
Killingworth	Deer Lake Scout Reservation	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Killingworth	Deer Lake Scout Reservation - Well 3	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Killingworth	Killingworth Cafe # 249	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	Killingworth Country Market	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Killingworth	Killingworth Library	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	Killingworth Town Hall	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Killingworth	Killingworth Village Center	CTWC	NC	27	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	Parmelee Farms	CTWC	NC	29	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	Sheldon Field	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	St Lawrence Church (Well 2)	CTWC	NC	26	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	St. Lawrence Church (Rec Hall) Well 1	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	The Cooking Company - Killingworth	CTWC	NC	37	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Killingworth	Haddam Killingworth Inter/Middle School	CTWC	NTNC	874	-	0.013	0.013	-	0.013		0.013	-	-	-	-	-	-	-	-	-	-
Killingworth	Killingworth Congregational Church	CTWC	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Killingworth	Killingworth Elementary School	CTWC	NTNC	543	-	0.006	0.006	-	0.006		0.006	-	-	-	-	-	-	-	-	-	-
Killingworth	Killingworth Kids Center	CTWC	NTNC	64	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-

Table B-6: Central PWSMA - 50-Year (2060) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2060 Residential Demand	2060 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2060 Total ADD	Water Sold to Other Utility	2060 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Lyme	1 Ferry Road	Town of Lyme	NC	35	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Lyme	Camp Claire, Inc.	Town of Lyme	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Lyme	Lyme Consolidated School	Town of Lyme	NTNC	205	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Madison	CTWC - Green Springs System	CTWC	C	104	0.004	-	0.004	0.000	0.004	-	0.004	0.028			0.028						0.024
Madison	CTWC - Legend Hill System	CTWC	C	247	0.009	0.004	0.013	0.001	0.014		0.014	0.050			0.050						0.036
Madison	CTWC - Shoreline Region-Guilford System	CTWC	C-Large	11,700	0.652	0.261	0.913	0.101	1.014	-	1.014	-	-	-	-	1.325	0.311				(0.000)
Madison	Camp Laurelwood	CTWC	NC	400	-	0.020	0.020	-	0.020		0.020	-	-	-	-	-	-	-	-	-	-
Madison	Christ Chapel	CTWC	NC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Madison	Church of Latter Day Saints, Madison	CTWC	NC	172	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Madison	Circle Pizza	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Madison	Kleins Golf Range	CTWC	NC	31	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Madison	1 Orchard Park Industrial Area	CTWC	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Madison	15 Orchard Park Industrial Area	CTWC	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Madison	227 Horse Pond Road - Madison	CTWC	NTNC	55	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Madison	Educational Playcare Ltd	CTWC	NTNC	73	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Madison	Madison Commons	CTWC	NTNC	28	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Madison	North Madison Congregational Church	CTWC	NTNC	35	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Madison	North Madison Shopping Center	CTWC	NTNC	60	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Madison	Orchard Park Ind. Area - 50 Mungertown	CTWC	NTNC	40	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Madison	St. Andrews Episcopal Church	CTWC	NTNC	40	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Madison	Summer Hill Nurseries	CTWC	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Madison	Temple Beth Tikvah	CTWC	NTNC	170	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Madison	The Country School, Inc.	CTWC	NTNC	360	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Madison	The Learning Tree of Madison, LLC	CTWC	NTNC	61	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Manchester	CTWC - Redwood Farms Division	Manchester Water Department	C	424	0.015	-	0.015	0.000	0.015	-	0.015	0.050			0.050			0.000			0.035
Manchester	CTWC - Northern Reg-Western System	CTWC	C-Large	0	-	0.003	0.003	-	0.003	-	0.003	-	-	-	-	0.003	-	-	-	-	-
Manchester	Manchester Water Department	Manchester Water Department	C-Large	60,473	3.988	1.302	5.291	0.934	6.224	0.005	6.219	9.179	-	0.007	9.172	-	0.112	-	-	-	2.841
Manchester	Metropolitan District Commission	MDC	C-Large	996	0.078	-	0.078	0.016	0.094	-	0.094	-			-	0.094					-
Manchester	622 Middle Turnpike East	Manchester Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Manchester	801A Hartford Road	Manchester Water Department	NC	33	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Manchester	Girl Scouts of CT - Camp Merrie-Wood	Manchester Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Manchester	Manchester Cong. of Jehovahs Witnesses	Manchester Water Department	NC	222	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Manchester	Unitarian Universalist Church	Manchester Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Manchester	Birch Mountain Day School	Manchester Water Department	NTNC	83	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Manchester	CTWC - Buckland Road Service Area	Manchester Water Department	NTNC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Manchester	Elisabeth M. Bennet Academy	Manchester Water Department	NTNC	536	-	0.008	0.008	-	0.008		0.008	-	-	-	-	-	-	-	-	-	-
Manchester	Manchester Packing Company, Inc.	Manchester Water Department	NTNC	34	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Manchester	Shady Glen Restaurant	Manchester Water Department	NTNC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Mansfield	Ah 2 LLC (formerly Woods Edge Apartments, LLC)	CTWC	C	96	0.004	-	0.004	-	0.004	-	0.004	0.019			0.019						0.016
Mansfield	Aquarion Water Co of CT-Valley View	AWC	C	131	0.006	-	0.006	0.000	0.006	-	0.006	0.013			0.013						0.007
Mansfield	Carriage House Apartments	CTWC	C	196	0.015	-	0.015	-	0.015	-	0.015	0.050			0.050						0.035
Mansfield	Club House Apartments	CTWC	C	115	0.009	-	0.009	-	0.009	-	0.009	0.014			0.014						0.005
Mansfield	CTWC - Birchwood Heights	CTWC	C	76	0.002	-	0.002	0.000	0.002	-	0.002	0.015			0.015						0.013
Mansfield	CTWC - Crystal Springs Div.	CTWC	C	169	0.006	-	0.006	-	0.006	-	0.006	0.021			0.021						0.015
Mansfield	CTWC - Pinewoods Lane Div	Windham Water Works	C	68	0.001	-	0.001	-	0.001	-	0.001	0.019			0.019						0.018
Mansfield	Hunting Lodge Apartments	CTWC	C	115	0.009	-	0.009	-	0.009	-	0.009	0.035			0.035						0.026
Mansfield	Knollwood Acres Apartments	CTWC	C	312	0.023	-	0.023	-	0.023	-	0.023	0.050			0.050						0.027

Table B-6: Central PWSMA - 50-Year (2060) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2060 Residential Demand	2060 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2060 Total ADD	Water Sold to Other Utility	2060 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Mansfield	Mansfield Village, LLC	CTWC	C	40	0.002	-	0.002	-	0.002	-	0.002	0.010			0.010						0.009
Mansfield	Maplewood Apartments	CTWC	C	153	0.011	-	0.011	-	0.011	-	0.011	0.025			0.025						0.013
Mansfield	Orchard Acres Association	CTWC	C	176	0.013	-	0.013	-	0.013	-	0.013	0.032			0.032						0.019
Mansfield	Renwood Apartments	CTWC	C	190	0.014	-	0.014	-	0.014	-	0.014	0.050			0.050						0.036
Mansfield	Rockridge Condominiums	CTWC	C	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mansfield	White Oak Condominiums	CTWC	C	192	0.014	-	0.014	-	0.014	-	0.014	0.037			0.037						0.022
Mansfield	CTWC - Northern Reg-Western System	CTWC	C-Large	1,775	0.118	0.150	0.268	0.018	0.286	-	0.286	-	-	1.500	(1.500)	0.286	0.030	-	-	-	(1.530)
Mansfield	University of Connecticut - Main Campus	Stage Agency Existing Service Area (UConn)	C-Large	12,699	0.415	1.318	1.733	0.091	1.824	-	1.824	1.480	1.500	-	2.980	-	-	-	-	-	1.156
Mansfield	Windham Water Works	Windham Water Works	C-Large	2871	0.157	0.124	0.281	0.043	0.324	-	0.324	4.100	-	-	4.100	-	2.393	-	-	-	1.383
Mansfield	1768 Storrs Road	CTWC	NC	42	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	1St Baptist Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	452 Stafford Road - The Deli Club	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	466 Storrs Rd	Windham Water Works	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	603 Middle Turnpike - Mansfield	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	847 Stafford Road	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	873 Stafford Road - Mansfield	CTWC	NC	32	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Bicentennial Park	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Camp Holiday Hill	CTWC	NC	132	-	0.007	0.007	-	0.007		0.007	-	-	-	-	-	-	-	-	-	-
Mansfield	Coyote Flaco	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Mansfield	Cumberland Farms	CTWC	NC	33	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	First Church of Christ In Mansfield	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Holiday Mall	CTWC	NC	45	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Lions Park	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Lucky Strike Lanes, Inc.	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Mansfield Drive-In	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Mansfield Library Buchanan Center	Windham Water Works	NC	217	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Mansfield	Mansfield Marketplace	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Mansfield X-Tra Mart	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Public America/Mansfield Aquasition	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Red Barn Creamery	CTWC	NC	28	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Spring Hill Cafe LLC	CTWC	NC	72	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Thompsons General Store	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Mansfield	Toast Four Corners	CTWC	NC	316	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Mansfield	Annie E. Vinton School	CTWC	NTNC	313	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Mansfield	Community Childrens Center Inc.	CTWC	NTNC	52	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Mansfield	Goodwin Elementary School	CTWC	NTNC	340	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Mansfield	Mansfield Middle School	CTWC	NTNC	715	-	0.011	0.011	-	0.011		0.011	-	-	-	-	-	-	-	-	-	-
Mansfield	Mansfield Professional Park	CTWC	NTNC	100	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Mansfield	Mansfield Shopping Center	CTWC	NTNC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Mansfield	Mount Hope Montessori School	Windham Water Works	NTNC	88	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Mansfield	Oak Grove Montessori School	Windham Water Works	NTNC	77	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Mansfield	Perkins Corner	CTWC	NTNC	45	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Mansfield	Southeast School	Windham Water Works	NTNC	311	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Marlborough	Aquarion Water Co of CT-Birchwood Estate	Town of Marlborough	C	251	0.012	-	0.012	0.011	0.023	-	0.023	0.010			0.010						(0.014)
Marlborough	CTWC - Florence Lord (Mash)	Town of Marlborough	C	30	0.001	-	0.001	-	0.001	-	0.001	0.034			0.034						0.033
Marlborough	CTWC - Forest Homes Division	Town of Marlborough	C	100	0.005	-	0.005	-	0.005	-	0.005	0.005			0.005						0.001
Marlborough	CTWC - Marlborough Gardens	Town of Marlborough	C	110	0.004	-	0.004	-	0.004	-	0.004	0.024			0.024						0.020
Marlborough	CTWC - Sachem Village Condo	Town of Marlborough	C	166	0.005	-	0.005	0.001	0.006	-	0.006	0.050			0.050						0.044
Marlborough	Hillside Corporation	Town of Marlborough	C	136	0.010	-	0.010	-	0.010	-	0.010	0.018			0.018						0.008

Table B-6: Central PWSMA - 50-Year (2060) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2060 Residential Demand	2060 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2060 Total ADD	Water Sold to Other Utility	2060 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Marlborough	Laurel Hill Water Association	Town of Marlborough	C	86	0.006	-	0.006	-	0.006	-	0.006	0.024			0.024						0.017
Marlborough	Marlborough Health Care Center, Inc	Town of Marlborough	C	165	0.012	-	0.012	-	0.012	-	0.012	0.028			0.028						0.016
Marlborough	17 North Main Street	Town of Marlborough	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Marlborough	American Legion Post 197	Town of Marlborough	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	Deep Eastern District Headquarters	Town of Marlborough	NC	53	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	Fellowship Community Church	Town of Marlborough	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Marlborough	Hartford County 4-H Camp	Town of Marlborough	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	J&S Enterprise LLC	Town of Marlborough	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Marlborough	Jessica's Garden	Town of Marlborough	NC	36	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	Liberty Bank	Town of Marlborough	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Marlborough	Marlborough Country Barn# 1	Town of Marlborough	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Marlborough	Marlborough Country Barn# 2	Town of Marlborough	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Marlborough	Marlborough Pizza Restaurant	Town of Marlborough	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	Marlborough Professional Center	Town of Marlborough	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	Marlborough Town Hall	Town of Marlborough	NC	38	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	St John Fisher Church	Town of Marlborough	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Marlborough	The Farm At Carter Hill	Town of Marlborough	NC	31	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Marlborough	Discovery Learning Center	Town of Marlborough	NTNC	70	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	Kids Club Child Care&Nursery Sch Ctr LLC	Town of Marlborough	NTNC	44	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Marlborough	Marlborough Congregational Church	Town of Marlborough	NTNC	97	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	Marlborough Municipal Water System	Town of Marlborough	NTNC	963	-	0.040	0.040	-	0.040		0.040	-	-	-	-	-	-	-	-	-	-
Marlborough	Middlesex Hosp. Marlborough Medical Ctr.	Town of Marlborough	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	Schneider Electric Motion USA	Town of Marlborough	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Marlborough	The Diversified Group	Town of Marlborough	NTNC	65	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Meriden	Meriden Water Division	Meriden Water Division	C-Large	68,600	4.534	1.205	5.739	1.012	6.752	0.002	6.750	6.110	-	-	6.110	3.316	0.038	-	-	-	2.638
Meriden	New Life Church, Inc.	Meriden Water Division	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Meriden	The Meriden YMCA Outdoor Center	Meriden Water Division	NC	100	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Meriden	The Meriden YMCA Outdoor Center - Well 3	Meriden Water Division	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middlefield	Bittersweet Ridge Water Association	Town of Middlefield	C	40	0.003	-	0.003	-	0.003	-	0.003	0.010			0.010						0.007
Middlefield	Lakeview Estates	Town of Middlefield	C	78	0.006	-	0.006	-	0.006	-	0.006	0.050			0.050						0.044
Middlefield	Middlefield Housing Authority	Town of Middlefield	C	62	0.005	-	0.005	-	0.005	-	0.005	0.009			0.009						0.004
Middlefield	Old Indian Trail	Town of Middlefield	C	32	0.002	-	0.002	-	0.002	-	0.002	0.013			0.013						0.011
Middlefield	Reja - Rainbow Spring Water Company	Town of Middlefield	C	11	0.003	-	0.003	-	0.003	-	0.003	0.050			0.050						0.047
Middlefield	Sylvan Ridge Condominiums	Town of Middlefield	C	84	0.006	-	0.006	-	0.006	-	0.006	0.039			0.039						0.033
Middlefield	Middletown Water Department	Town of Middlefield	C-Large	20	0.001	0.025	0.027	0.005	0.031	-	0.031	-	-	0.220	(0.220)	0.031	-	-	-	-	(0.220)
Middlefield	108 Main Street	Town of Middlefield	NC	29	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middlefield	144 Meriden Rd	Town of Middlefield	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-

Table B-6: Central PWSMA - 50-Year (2060) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2060 Residential Demand	2060 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2060 Total ADD	Water Sold to Other Utility	2060 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Middlefield	Calvi Building	Town of Middlefield	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middlefield	Coginchaug Market	Town of Middlefield	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Middlefield	Golf Center At Lyman Orchards	Town of Middlefield	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middlefield	Guidas Drive-In Restaurant	Town of Middlefield	NC	40	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Middlefield	Indian Spring Golf Course	Town of Middlefield	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Middlefield	Levi Coe Library	Town of Middlefield	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middlefield	Lyman Orchards - Labor Camp	Town of Middlefield	NC	45	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Middlefield	Middlefield Administration Bldg	Town of Middlefield	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Middlefield	Middlefield Community Center & Firehouse	Town of Middlefield	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Middlefield	Peckham Park	Town of Middlefield	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middlefield	Red Dog Saloon	Town of Middlefield	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middlefield	Rovers Lodge	Town of Middlefield	NC	25	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Middlefield	St. Colman Church	Town of Middlefield	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middlefield	Victory Tabernacle Church	Town of Middlefield	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middlefield	Wadsworth Falls/Bathroom Well	Town of Middlefield	NC	527	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Middlefield	6 Way Road	Town of Middlefield	NTNC	78	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Middlefield	Cooper-Atkins Corp	Town of Middlefield	NTNC	86	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Middlefield	John Lyman School	Town of Middlefield	NTNC	285	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Middlefield	Lyman Orchard Country Farms Complex	Town of Middlefield	NTNC	84	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Middlefield	Memorial Middle School	Town of Middlefield	NTNC	359	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Middlefield	Middlefield Federated Church	Town of Middlefield	NTNC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middlefield	Powder Ridge Ski Lodge-Main Bldg	Town of Middlefield	NTNC	100	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Middlefield	The Independent Day School	Town of Middlefield	NTNC	199	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Middlefield	The Rogers Manufacturing Company	Town of Middlefield	NTNC	100	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Middletown	Berlin Water Control Commission	Middletown Water Department	C-Large	15	0.001	-	0.001	-	0.001	-	0.001	-			-	0.001					-
Middletown	Connecticut Valley Hospital	Stage Agency Existing Service Area (CVH)	C-Large	816	0.072	0.229	0.301	-	0.301	-	0.301	0.693	-	-	0.693	-	-	-	-	-	0.392
Middletown	Meriden Water Division	Middletown Water Department	C-Large	10	0.001	-	0.001	0.000	0.001	-	0.001	-	-	-	-	0.001	-	-	-	-	-
Middletown	Middletown Water Department	Middletown Water Department	C-Large	43,362	2.775	0.947	3.722	0.657	4.379	-	4.379	7.254	-	-	7.254	-	0.031	-	-	-	2.844
Middletown	Coyote Blue Restaurant	Middletown Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Middletown	Italian American Civic Order, Inc	Middletown Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Middletown	Middletown DOT Rest Area (I-91 North)	Middletown Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middletown	Miner Hills Family Golf LLC	Middletown Water Department	NC	29	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middletown	Ron McCutcheon Park	Middletown Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Middletown	Kleen Energy Systems Inc	Middletown Water Department	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Middletown	NRG Middletown Operations	Middletown Water Department	NTNC	140	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Middletown	Pratt & Whitney	Middletown Water Department	NTNC	2,800	-	0.070	0.070	-	0.070		0.070	-	-	-	-	-	-	-	-	-	-
Milford	SCCRWA	SCCRWA	C-Large	61,835	3.215	1.706	4.921	0.547	5.468	-	5.468	-			-	5.468					-
Milford	Christ Redeemer Church	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Milford	Pickles Country Store & Deli	SCCRWA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
New Britain	New Britain Water Department	New Britain Water Department	C-Large	84,038	6.303	4.387	10.689	0.192	10.882	2.086	8.796	12.640	5.000	2.669	14.971	-	0.468	-	-	-	5.707
New Haven	SCCRWA	SCCRWA	C-Large	154,131	8.015	4.252	12.267	1.363	13.630	-	13.630	-			-	25.561	11.930				-
Newington	Metropolitan District Commission	MDC	C-Large	26,540	2.088	0.924	3.012	0.416	3.428	-	3.428	-		0.500	(0.500)	3.443	0.015				(0.500)
Newington	New Britain Water Department	New Britain Water Department	C-Large	1,400	0.105	0.025	0.130	0.003	0.133	-	0.133	-	-	-	-	0.133	-	-	-	-	-
Newington	Gospel Hall	MDC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Newington	Hi-View Motel	MDC	NC	25	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Newington	Newington Va Medical Center-Bldgs 3 & 42	MDC	NC	43	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Newington	Newington Va Medical Center-Building 1	MDC	NTNC	110	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-

Table B-6: Central PWSMA - 50-Year (2060) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2060 Residential Demand	2060 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2060 Total ADD	Water Sold to Other Utility	2060 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Newington	Newington Va Medical Center-Building 2C	MDC	NTNC	80	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Newington	Newington Va Medical Center-Building 2E	MDC	NTNC	335	-	0.007	0.007	-	0.007		0.007	-	-	-	-	-	-	-	-	-	-
North Branford	Blue Trails Water Association	SCCRWA	C	228	0.017	-	0.017	-	0.017	-	0.017	0.041			0.041						0.024
North Branford	Northford Glen Condominium Association	SCCRWA	C	84	0.006	-	0.006	-	0.006	-	0.006	0.050			0.050						0.044
North Branford	SCCRWA	SCCRWA	C-Large	11,550	0.601	0.319	0.919	0.102	1.021	-	1.021	35.000			35.000		21.116				12.862
North Branford	1409 Middletown Av. (Wells Fargo Bank)	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	1872 Middletown Avenue	SCCRWA	NC	29	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	1874 Middletown Avenue	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	531 Forest Road - N. Branford	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	Eventus Catering	SCCRWA	NC	44	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
North Branford	Joseph Diglio Properties	SCCRWA	NC	45	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	Mobil Station/Northford Foodmart	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	Northford Congregational Church	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	Northford Plaza Realty Group	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	Northford Shopping Center	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	Rite Aid	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	Rosabianca Vineyards	SCCRWA	NC	36	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
North Branford	Saint Ambrose Parish Corporation	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Branford	5 Ardsley Avenue	SCCRWA	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
North Branford	Tilcon Connecticut Inc. - North Branford	SCCRWA	NTNC	38	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
North Haven	SCCRWA	SCCRWA	C-Large	24,959	1.298	0.689	1.986	0.221	2.207	-	2.207	-			-	2.207					-
North Haven	Pond Hill Baptist Church	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
North Haven	The Only Game In Town	SCCRWA	NC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Boxwood Condominium Association	CTWC	C	28	0.002	-	0.002	-	0.002	-	0.002	0.011			0.011						0.009
Old Lyme	Chadwick Homeowners Assn., Inc.	CTWC	C	292	0.022	-	0.022	-	0.022	-	0.022	0.050			0.050						0.028
Old Lyme	Laurel Heights Association, Inc.	CTWC	C	45	0.003	-	0.003	-	0.003	-	0.003	0.009			0.009						0.005
Old Lyme	Lyme Academy Apartments,LLC	CTWC	C	48	0.004	-	0.004	-	0.004	-	0.004	0.050			0.050						0.046
Old Lyme	Lyme Regis, Inc.	CTWC	C	32	0.002	-	0.002	-	0.002	-	0.002	0.009			0.009						0.007
Old Lyme	Lymewood Elderly Housing	CTWC	C	50	0.004	-	0.004	-	0.004	-	0.004	0.050			0.050						0.046
Old Lyme	Miami Beach Water Company	CTWC	C	440	0.033	-	0.033	-	0.033	-	0.033	0.050			0.050						0.017
Old Lyme	Mile Creek Apartments	CTWC	C	60	0.005	-	0.005	-	0.005	-	0.005	0.014			0.014						0.010
Old Lyme	Rye Field Manor Elderly Housing	CTWC	C	78	0.006	-	0.006	-	0.006	-	0.006	0.016			0.016						0.010
Old Lyme	CTWC - Shoreline Region-Point O Woods	CTWC	C-Large	960	0.034	0.000	0.034	0.009	0.043	-	0.043	0.111	-	-	0.111	-	-	-	-	-	0.068
Old Lyme	CTWC - Shoreline Region-Sound View	CTWC	C-Large	1,835	0.052	0.006	0.058	0.003	0.061	-	0.061	0.162	-	-	0.162	-	-	-	-	-	0.101
Old Lyme	34 Lyme Street	CTWC	NC	35	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	64-68 Lyme Street	CTWC	NC	36	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	85 Halls Road	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	A. C. Peterson's Drive-In	CTWC	NC	33	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Advanced Family Dentistry of Old Lyme	CTWC	NC	31	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	All Pro Automotive	CTWC	NC	35	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Bee & Thistle Inn	CTWC	NC	25	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Old Lyme	Black Hall Club	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Church of Christ The King	CTWC	NC	305	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	First Congregational Church of Old Lyme	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Florence Griswold Museum	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Graybill Properties, LLC	CTWC	NC	35	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Hains Park	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	High Hopes Therapeutic Riding Inc	CTWC	NC	44	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Jia Mei LLC	CTWC	NC	42	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Laysville Center Stores	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Lyme Art Association	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Lymes' Senior Ctr/Town Woods Park	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Old Lyme Country Club House	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Old Lyme Country Club- Pool Cabana	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-

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Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2060 Residential Demand	2060 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2060 Total ADD	Water Sold to Other Utility	2060 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Old Lyme	Old Lyme Country Club- Tennis Court	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Old Lyme Inn	CTWC	NC	45	-	0.005	0.005	-	0.005		0.005	-	-	-	-	-	-	-	-	-	-
Old Lyme	Old Lyme Library	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Old Lyme Pizza Palace Inc.	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Saint Anns Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Stellas	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	The Village Shops	CTWC	NC	33	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Deep Marine Headquarters	CTWC	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Eastport - West	CTWC	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Eastport - West 2	CTWC	NTNC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Eastport, LLC	CTWC	NTNC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Eastport-North	CTWC	NTNC	100	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Old Lyme	Learn	CTWC	NTNC	53	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Lyme Academy of Fine Arts	CTWC	NTNC	300	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Old Lyme	Old Lyme Childrens Learning Center, Inc	CTWC	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Old Lyme Marketplace	CTWC	NTNC	70	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Old Lyme	Old Lyme Shopping Center	CTWC	NTNC	100	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Lyme	Region 18 Schools - Lyme Street	CTWC	NTNC	1,102	-	0.020	0.020	-	0.020		0.020	-	-	-	-	-	-	-	-	-	-
Old Saybrook	CTWC - Shoreline Region-Guilford System	CTWC	C-Large	8,117	0.452	0.181	0.633	0.070	0.703	-	0.703	-	-	-	-	0.703					-
Old Saybrook	732 Middlesex Turnpike	CTWC	NC	200	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Saybrook	Old Saybrook VFW	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Old Saybrook	Pasta Vita	CTWC	NC	49	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Orange	SCCRWA	SCCRWA	C-Large	14,968	0.778	0.413	1.191	0.132	1.324	-	1.324	-			-	6.792	5.468				-
Orange	Cedarwood Professional Associates	SCCRWA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Plainville	Valley Water Systems, Inc.	Valley Water Systerms	C-Large	17,966	0.898	0.214	1.112	0.097	1.209	-	1.209	3.570	0.200	-	3.770		0.061		0.001	0.000	2.499
Plainville	Asia Darbar	Valley Water Systerms	NC	35	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Plainville	Valley W.S. North Mountain Pump Station	Valley Water Systerms	NTNC	0	-	0.001	0.001	-	0.001	-	0.001	-	-	-	-	-	-	0.001	-	0.001	-
Portland	CTWC - Rivercrest Division	Portland Water Department	C	88	0.002	-	0.002	-	0.002	-	0.002	0.050			0.050						0.048
Portland	Riverdale Properties, Inc.	Portland Water Department	C	96	0.007	-	0.007	-	0.007	-	0.007	0.050			0.050						0.043
Portland	Portland Water Department	Portland Water Department	C-Large	5,000	0.550	0.170	0.720	0.180	0.900	-	0.900	0.300	1.100	-	1.400	-	-	-	-	0.447	0.500
Portland	860 Portland Cobalt Road	Portland Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Portland	Axelrod Tire And Service Center	Portland Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Portland	Cove View Plaza	Portland Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Portland	Eggs Up Grill	Portland Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Portland	Portland Citgo	Portland Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Portland	St. Clements Estate- Banquet Hall System	Portland Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Portland	St. Clements Estate- Castle System	Portland Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Portland	Winchester Cafe	Portland Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Portland	Childrens Lighthouse Childcare	Portland Water Department	NTNC	36	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Rocky Hill	Metropolitan District Commission	MDC	C-Large	20,580	1.619	0.716	2.336	0.322	2.658	-	2.658	-			-	2.661	0.003				0.000
Simsbury	Ethel Walker School	AWC	C	325	0.024	-	0.024	-	0.024	-	0.024	0.050			0.050						0.026
Simsbury	Aquarion Water Co of CT-Simsbury System	AWC	C-Large	15,374	1.522	0.516	2.038	0.360	2.398	-	2.398	4.908	-	-	4.908	-	0.202	-	-	-	2.308
Simsbury	Avon Water Co	Avon Water Company	C-Large	725	0.060	0.136	0.196	0.009	0.205	-	0.205	-	-		-	0.205					-
Simsbury	Tariffville Fire District Water Dept	AWC	C-Large	1,371	0.082	0.016	0.098	0.009	0.107	-	0.107	0.252	-	-	0.252	-	-	-	-	-	0.145
Simsbury	1610-1616 Hopmeadow Street	AWC	NC	31	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-

Table B-6: Central PWSMA - 50-Year (2060) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2060 Residential Demand	2060 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2060 Total ADD	Water Sold to Other Utility	2060 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Simsbury	Shepherd of The Hills Lutheran Church	AWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Simsbury	Talcott Mountain S.P.	AWC	NC	793	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Simsbury	Tower Ridge Country Club	AWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Simsbury	The Masters School	AWC	NTNC	372	-	0.006	0.006	-	0.006		0.006	-	-	-	-	-	-	-	-	-	-
Somers	Hazardville - Rye Hill System	Hazardville Water Company	C	352	0.028	-	0.028	0.003	0.028	-	0.028	-	0.100		0.100					0.028	0.072
Somers	Connecticut Correctional Institute	CTWC	C-Large	3,891	0.354	0.039	0.393	0.086	0.480	-	0.480	0.650	-	-	0.650	-	-	-	-	-	0.170
Somers	CTWC - Northern Reg-Western System	CTWC	C-Large	1,571	0.104	0.060	0.164	0.016	0.179	0.028	0.151	0.173	-	0.100	0.073	0.078	-	-	-	-	-
Somers	Hazardville Water Company	Hazardville Water Company	C-Large	1,007	0.062	0.012	0.074	0.009	0.083	-	0.083	-	-		-	0.083					-
Somers	Cedar Knob Golf Course	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Somers	Pleasant View Golf Ctr.	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Somers	Worthington Pond Farm	Hazardville Water Company	NC	262	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Somers	Grower Direct Farms Inc	Hazardville Water Company	NTNC	160	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Somers	Northfield Commons Association	CTWC	NTNC	80	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
South Windsor	CTWC - Northern Reg-Western System	CTWC	C-Large	15,729	1.036	0.360	1.396	0.156	1.553	-	1.553	0.368	-	-	0.368	1.185	-	-	-	-	-
South Windsor	Manchester Water Department	Manchester Water Department	C-Large	60	0.004	-	0.004	0.001	0.005	-	0.005	-	-		-	0.005	-	-	-	-	-
South Windsor	Metropolitan District Commission	MDC	C-Large	13,046	1.026	0.454	1.481	0.204	1.685	-	1.685	-			-	1.685					-
South Windsor	Fairway Miniature Golf And Batting Cages	MDC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
South Windsor	Messiah Lutheran Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
South Windsor	Learning Center, LLC.	MDC	NTNC	61	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
South Windsor	Mitchell Associates	CTWC	NTNC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Southington	Apple Valley Village	Southington Water Department	C	70	0.007	-	0.007	-	0.007	-	0.007	0.050			0.050						0.044
Southington	Meriden Water Division	Southington Water Department	C-Large	130	0.009	-	0.009	0.002	0.010	-	0.010	-	-	-	-	0.010	-	-	-	-	-
Southington	New Britain Water Department	New Britain Water Department	C-Large	0	-	0.001	0.001	-	0.001	-	0.001	-	-	-	-	0.001	-	-	-	-	-
Southington	Southington Water Department	Southington Water Department	C-Large	52,220	3.314	1.824	5.138	0.450	5.588	-	5.588	7.000	-	-	7.000	-	0.052	-	-	-	1.360
Southington	Valley Water Systems, Inc.	Southington Water Department	C-Large	763	0.038	0.009	0.047	0.004	0.051	-	0.051	-	-	-	-	0.051					-
Southington	1103 Queen Street, LLC	Southington Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Southington	1217 Queen St	Southington Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Southington	1226-1234 Queen St - Strip Mall	Southington Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Southington	Golf Quest - Southington	Southington Water Department	NC	28	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Southington	Hidden Valley Mini Golf - Batter Up	Southington Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Southington	Hollywood Lounge	Southington Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Southington	Panthorn Park Upper Restroom	Southington Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Southington	Perry Plaza	Southington Water Department	NC	32	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Southington	River Bend Plaza	Southington Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Southington	Rogers Orchards	Southington Water Department	NC	43	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Southington	Saints Drive-In Restaurant	Southington Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Southington	Southington Sportsman Assn., Inc.	Southington Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Johnson Memorial Hospital, Inc	CTWC	C	250	0.019	-	0.019	-	0.019	-	0.019	0.050			0.050						0.031
Stafford	Stafford Hollow Water Association	CTWC	C	429	0.032	-	0.032	-	0.032	-	0.032	0.050			0.050						0.018

Table B-6: Central PWSMA - 50-Year (2060) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2060 Residential Demand	2060 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2060 Total ADD	Water Sold to Other Utility	2060 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Stafford	CTWC - Northern Reg-Stafford System	CTWC	C-Large	2,556	0.149	0.328	0.477	0.05	0.530	-	0.530	0.700	-	-	0.700	-	-	-	-	-	0.170
Stafford	Bonnie - Jean's Kitchen	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Drp Properties LLC	CTWC	NC	30	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Stafford	Mineral Springs Campground-System #1	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Mineral Springs Campground-System #2	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Ric's Place	CTWC	NC	27	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Roaring Brook Campgnd Coop/Pool/Rest/Rec	CTWC	NC	42	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Stafford	Roaring Brook Campground	CTWC	NC	35	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Stafford	Stafford Professional Suites	CTWC	NC	33	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Sun Valley Beach Club	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Stafford	Sun Valley Campground-System #1:Well194	CTWC	NC	50	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Stafford	Sun Valley Campground-System #2:Well 56	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Sun Valley Campground-System #3:Well 40	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Sun Valley Campground-System #4:Well 214	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Ttm Printed Circuit - Building 3A Annex	CTWC	NC	45	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Big Y Food Store	CTWC	NTNC	150	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Stafford	Big Y Satellite Stores	CTWC	NTNC	100	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Stafford	Brookside Professional Centre	CTWC	NTNC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Johnson Memorial Hospital- Cmec Building	CTWC	NTNC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	McDonalds Restaurant	CTWC	NTNC	34	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Stafford	Red Balloon Daycare	CTWC	NTNC	55	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	Staffordville School	CTWC	NTNC	284	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Stafford	Ttm Printed Circuit - 15 Industrial Dr	CTWC	NTNC	120	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Stafford	Ttm Printed Circuit - 228 Upper Road	CTWC	NTNC	150	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Stafford	Ttm Printed Circuit - Building 5	CTWC	NTNC	51	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Stafford	West Stafford School	CTWC	NTNC	240	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Suffield	Aquarion Water Co of CT - W Service Corp	CTWC	C	595	0.042	0.000	0.043	0.003	0.046	-	0.046	0.050			0.050						0.004
Suffield	CTWC - Northern Reg-Western System	CTWC	C-Large	9,047	0.596	0.184	0.780	0.090	0.870	-	0.870	0.233	-	-	0.233	0.637	-	-	-	-	-
Suffield	1365 Mountain Road - Suffield	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Suffield	Airways Golf Course	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Suffield	Good Shepherd Lutheran Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Suffield	Sunrise Park - Pavilion	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Suffield	Sunrise Park - Superintendents House	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Suffield	VFW Post 9544	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Suffield	Baker Nurseries	CTWC	NTNC	200	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Tolland	Baxter Farms Community Water Assoc	Tolland Water Department	C	175	0.013	-	0.013	-	0.013	-	0.013	0.031			0.031						0.018
Tolland	Eastview Kozley Water Association	Tolland Water Department	C	60	0.005	-	0.005	-	0.005	-	0.005	0.018			0.018						0.014
Tolland	Ivy Woods	Tolland Water Department	C	207	0.006	-	0.006	-	0.006	-	0.006	0.050			0.050						0.044
Tolland	Norwegian Woods Apartments	Tolland Water Department	C	252	0.019	-	0.019	-	0.019	-	0.019	0.043			0.043						0.024
Tolland	Stone Pond Condominiums	Tolland Water Department	C	141	0.011	-	0.011	-	0.011	-	0.011	0.050			0.050						0.039
Tolland	Tolland Water Dept - Torry Road	Tolland Water Department	C	204	0.009	0.002	0.011	0.001	0.012	-	0.012	-	0.012		0.012					0.012	-
Tolland	Village At Crystal Springs	Tolland Water Department	C	172	0.005	-	0.005	-	0.005	-	0.005	0.029			0.029						0.024
Tolland	Woodland Summit Community Water Assn	CTWC	C	216	0.016	-	0.016	-	0.016	-	0.016	0.023			0.023						0.007

Table B-6: Central PWSMA - 50-Year (2060) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2060 Residential Demand	2060 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2060 Total ADD	Water Sold to Other Utility	2060 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Tolland	CTWC - Northern Reg-Western System	CTWC	C-Large	1,141	0.075	0.080	0.155	0.011	0.167	0.012	0.155	-	-	-	-	0.441	0.286	-	-	-	0.000
Tolland	Tolland Water Department	Tolland Water Department	C-Large	3,217	0.225	0.071	0.296	0.029	0.325	0.012	0.313	0.304	-	0.030	0.274	-	-	-	-	-	(0.039)
Tolland	167 Tolland Stage Road - Tolland	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Tolland	404 Merrow Road - Tolland	Tolland Water Department	NC	33	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Tolland	Crandalls Lodge	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Tolland	Crandalls Park	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Tolland	Cross Farms Complex	Tolland Water Department	NC	27	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Tolland	Del-Aire Campground - System #2, Well#2	CTWC	NC	50	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-
Tolland	Del-Aire Campground - System 1 (Store)	CTWC	NC	27	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Tolland	Girl Scouts of Ct, Inc (Dining Room)	Tolland Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Tolland	Girl Scouts of Ct, Inc. (Stone House)	Tolland Water Department	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Tolland	Seventh Day Adventist Church	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Tolland	Tolland Citgo	Tolland Water Department	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Tolland	First Baptist Church of Tolland	Tolland Water Department	NTNC	80	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Tolland	Miss Merry Mac's Daycare	Tolland Water Department	NTNC	64	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Tolland	State Police Barracks Troop C	Tolland Water Department	NTNC	70	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Tolland	Tolland Professional Center	CTWC	NTNC	26	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Tolland	U.S. Department of Agriculture - Tolland	Tolland Water Department	NTNC	36	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Vernon	CTWC - Northern Reg-Llynwood System	CTWC	C	192	0.006	-	0.006	-	0.006	-	0.006	0.020			0.020						0.014
Vernon	CTWC - Northern Reg-Reservoir Heights	CTWC	C	62	0.004	-	0.004	0.001	0.005	-	0.005	-	0.007		0.007					0.005	0.002
Vernon	Vernon Village Inc.	CTWC	C	430	0.032	-	0.032	-	0.032	-	0.032	0.050			0.050						0.018
Vernon	CTWC - Northern Reg-Western System	CTWC	C-Large	22,491	1.482	0.460	1.942	0.224	2.165	-	2.165	9.590	-	-	9.590	-	2.274	-	0.000	-	5.150
Vernon	Manchester Water Department	Manchester Water Department	C-Large	70	0.005	-	0.005	0.001	0.005	-	0.005	-	-		-	0.005	-	-	-	-	-
Vernon	500 East Plaza	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Vernon	Camp Newhoca	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Vernon	Camp Newhoca Park	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Vernon	Carlo Realty (458 Plaza)	CTWC	NC	50	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Vernon	Italian Social Club of Rockville	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Vernon	Little Marks Big Barbecue	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Vernon	Valley Falls Park	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Wallingford	Meriden Water Division	Wallingford Water Division	C-Large	80	0.005	0.018	0.023	0.004	0.027	-	0.027	-	-	-	-	0.027	-	-	-	-	-
Wallingford	Wallingford Water Division	Wallingford Water Division	C-Large	37,139	2.086	2.153	4.239	0.649	4.888	-	4.888	9.079	-	-	9.079	-	0.008	-	-	-	4.183
Wallingford	Blue Trail Rifle Range	Wallingford Water Division	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Wallingford	South Broad Street Service Area	Wallingford Water Division	NTNC	250	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	0.002	-
Wallingford	Tilcon Connecticut Inc. - Wallingford	Wallingford Water Division	NTNC	30	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
West Hartford	Metropolitan District Commission	MDC	C-Large	61,580	4.845	2.566	7.411	0.964	8.375	0.422	7.953	77.100		5.650	71.450		51.053				12.444
West Haven	SCCRWA	SCCRWA	C-Large	58,106	3.022	1.603	4.625	0.514	5.138	-	5.138	-			-	11.930	6.792				0.000
Westbrook	Safe Harbor, Inc.	CTWC	C	50	0.004	-	0.004	-	0.004	-	0.004	0.050			0.050						0.046
Westbrook	CTWC - Shoreline Region-Guilford System	CTWC	C-Large	4,893	0.273	0.109	0.382	0.042	0.424	-	0.424	0.380	-	-	0.380	0.747	0.703				(0.000)
Westbrook	Kingdom Hall of Jehovahs Witness	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Westbrook	Clinton Nurseries - Primary System	CTWC	NTNC	100	-	0.002	0.002	-	0.002		0.002	-	-	-	-	-	-	-	-	-	-
Westbrook	Clinton Nurseries - Secondary System	CTWC	NTNC	143	-	0.003	0.003	-	0.003		0.003	-	-	-	-	-	-	-	-	-	-

Table B-6: Central PWSMA - 50-Year (2060) Water Demands and Water Movement by Town

Town	Public Water System Name	ESA Holder	Classification	Service Area Population	2060 Residential Demand	2060 Non-Residential Demand	Demand Subtotal	Unaccounted-for Water	2060 Total ADD	Water Sold to Other Utility	2060 System ADD	Available Water (ADD) from Sources of Supply	Available Water (ADD) from Interconnections	Committed Water to Others	Available Water (ADD) for System	Intra-System Transfers In	Intra-System Transfers Out	Inter-System Transfers In	Inter-System Transfers Out	Water Purchased From Other Utility	Surplus / Deficit for ADD
Westbrook	Pumpkin Patch Daycare	CTWC	NTNC	105	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Wethersfield	Metropolitan District Commission	MDC	C-Large	25,385	1.997	0.884	2.881	0.398	3.278	-	3.278	-			-	5.940	2.661				-
Wethersfield	The 798 Silas Deane Highway, LLC	MDC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Willington	Cedar Ridge Apartments	CTWC	C	300	0.023	-	0.023	-	0.023	-	0.023	0.017			0.017						(0.005)
Willington	CTWC - Riversedge Division	CTWC	C	179	0.006	0.003	0.009	0.003	0.012	-	0.012	-	0.030	-	0.030	-	-	-	-	0.012	0.018
Willington	Deer Park Apartments	CTWC	C	125	0.009	-	0.009	-	0.009	-	0.009	0.050			0.050						0.041
Willington	Natural Park Apartments, LLC	CTWC	C	60	0.005	-	0.005	-	0.005	-	0.005	0.043			0.043						0.039
Willington	North Willington Village Condo Assoc.	CTWC	C	66	0.005	-	0.005	-	0.005	-	0.005	0.029			0.029						0.024
Willington	Ridgeview Heights	CTWC	C	96	0.007	-	0.007	-	0.007	-	0.007	0.050			0.050						0.043
Willington	Walden Apartments	CTWC	C	276	0.021	-	0.021	-	0.021	-	0.021	0.050			0.050						0.029
Willington	CTWC - Northern Reg-Western System	CTWC	C-Large	400	0.030	-	0.030	-	0.030	-	0.030	-	-	-	-	0.030	-	-	-	-	-
Willington	Willington Ridge Condos - System #1	CTWC	C	102	0.008	-	0.008	-	0.008	-	0.008	0.017			0.017						0.010
Willington	Willington Ridge Condos - System #2	CTWC	C	102	0.008	-	0.008	-	0.008	-	0.008	0.015			0.015						0.007
Willington	Willington Senior Center & Housing	CTWC	C	32	0.002	-	0.002	-	0.002	-	0.002	0.039			0.039						0.036
Willington	Woodhaven Apartments	CTWC	C	489	0.037	-	0.037	-	0.037	-	0.037	0.030			0.030						(0.006)
Willington	12 Tolland Turnpike (Route 74)	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Willington	15 River Road Plaza	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Willington	39 Adamec Road	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Willington	Moose Meadow Campground	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Willington	Schofield Spring	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Willington	Wilderness Lake Campground & Resort	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Willington	Willington Dunkin Donuts	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Willington	Willington Mobil	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Willington	Willington Pizza House	CTWC	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Willington	Willington Public Library	CTWC	NC	50	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Willington	Willington Rest Area (I-84 E&W)	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Willington	Willington Xtra Mart	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Willington	Fed Ex Ground	CTWC	NTNC	200	-	0.004	0.004	-	0.004		0.004	-	-	-	-	-	-	-	-	-	-
Willington	Kids Kingdom Daycare Center	CTWC	NTNC	118	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Willington	Phelps Crossing Commercial	CTWC	NTNC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Willington	TA Travel Plaza	CTWC	NTNC	130	-	0.006	0.006	-	0.006		0.006	-	-	-	-	-	-	-	-	-	-
Windsor	Metropolitan District Commission	MDC	C-Large	32,815	2.582	1.169	3.750	0.514	4.264	0.026	4.238	-			-	4.429	0.164				0.026
Windsor Locks	CTWC - Northern Reg-Western System	CTWC	C-Large	15,162	0.999	0.350	1.349	0.151	1.500	-	1.500	-	-	-	-	1.586	0.086	-	-	0.026	(0.000)
Windsor Locks	Dem Produce And Garden Center	CTWC	NC	50	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Windsor Locks	Donut Kettle	CTWC	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Woodbridge	SCCRWA	SCCRWA	C-Large	5,148	0.268	0.142	0.410	0.046	0.455	-	0.455	9.200			9.200		4.558				4.187
Woodbridge	Church of Latter Day Saints, Woodbridge	SCCRWA	NC	220	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Woodbridge	Tennis Central	SCCRWA	NC	25	-	0.000	0.000	-	0.000		0.000	-	-	-	-	-	-	-	-	-	-
Woodbridge	Tradition Golf Club At Oak Lane	SCCRWA	NC	43	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Woodbridge	Woodbridge Club	SCCRWA	NC	25	-	0.001	0.001	-	0.001		0.001	-	-	-	-	-	-	-	-	-	-
Woodbridge	125-131 Bradley Road - Woodbridge	SCCRWA	NTNC	385	-	0.008	0.008	-	0.008		0.008	-	-	-	-	-	-	-	-	-	-

APPENDIX C

ADJUSTMENT OF CT SDC MUNICIPAL POPULATION PROJECTIONS

C. ADJUSTMENT OF CT SDC MUNICIPAL POPULATION PROJECTIONS

The Connecticut State Data Center (CT SDC) town population projections extend until 2040 and are reported in 5-year increments. In order to develop a population projection for the 5-year planning horizon (2023), a linear interpolation between 2020 and 2030 data was used. In order to extend the CT SDC town population projections to 2060, the following analysis was performed:

- Compare the population projection in 2040 to the population projection in 2030:
    - If the population was decreasing in a town from 2030 to 2040, then the 2060 population was assumed to be consistent with the 2040 population to simulate an eventual recovery from declining conditions. In other words, the population decline experienced from 2030 to 2040 was expected to continue past 2040 but eventually rebound back to 2040 population levels by 2060. This presents a conservatively high estimate of population where population declines could conceivably continue through 2060.
    - If the population was increasing in a town from 2030 to 2040, then the population was assumed to be stable or increasing through 2060. An analysis was performed of the population increase per year from 2015 to 2020, 2020 to 2030, and 2030 to 2040, and a linear relation was fitted through the data to the year 2060 to determine the projected population increase through 2060. For some communities, the rate of population increase per year slowed from 2020 to 2040, while for others the rate of population increase per year increased from 2020 to 2040. In the event that the slowing rate of population increase resulted in reduced population in the town, the projected population was set equal to the 2040 population. If the increasing population resulted in an increased population that was more than 20% greater than the 2040 population, the 2060 result was capped at a 20% increase.

Table C-1 presents a comparison of the CT SDC town population projections, the population increase per year for each period, and the 2023 and 2060 population projection based on the methods above.

Table C-1. Central PWSMA Population Projections

Municipality	2010 Census Population	2015 CT SDC Population Projection	2018 CT SDC Population Projection	2020 CT SDC Population Projection	2023 Population Projection	2030 CT SDC Population Projection	2040 CT SDC Population Projection	2060 Population Projection	Population Increase per Year (2015-2020)	Population Increase per Year (2020-2030)	Population Increase per Year (2030-2040)	2015 Estimated Water Demand (mgd)*	2023 Estimated Water Demand (mgd)*	2030 Estimated Water Demand (mgd)*	2060 Estimated Water Demand (mgd)*
Andover	3,303	3,261	3,199	3,157	3,069	2,864	2,550	2,550	-21	-29	-31	0.245	0.230	0.215	0.191
Avon	18,098	19,226	19,568	19,796	20,333	21,585	25,704	30,845	114	179	412	1.442	1.525	1.619	2.313
Berlin	19,866	20,070	20,174	20,243	20,311	20,470	20,297	20,297	35	23	-17	1.505	1.523	1.535	1.522
Bethany	5,563	5,686	5,705	5,717	5,695	5,645	5,415	5,415	6	-7	-23	0.426	0.427	0.423	0.406
Bloomfield	20,486	20,499	20,504	20,507	20,521	20,555	20,152	20,152	2	5	-40	1.537	1.539	1.542	1.511
Bolton	4,980	4,831	4,716	4,639	4,511	4,212	3,720	3,720	-38	-43	-49	0.362	0.338	0.316	0.279
Branford	28,026	27,080	26,566	26,223	25,787	24,768	22,605	22,605	-171	-146	-216	2.031	1.934	1.858	1.695
Canton	10,292	10,672	10,812	10,906	10,966	11,107	11,461	11,801	47	20	35	0.800	0.822	0.833	0.885
Chester	3,994	3,982	3,919	3,877	3,803	3,629	3,313	3,313	-21	-25	-32	0.299	0.285	0.272	0.248
Clinton	13,260	12,784	12,466	12,254	11,860	10,942	9,484	9,484	-106	-131	-146	0.959	0.890	0.821	0.711
Columbia	5,485	5,539	5,525	5,515	5,471	5,368	5,053	5,053	-5	-15	-32	0.415	0.410	0.403	0.379
Coventry	12,435	12,419	12,319	12,252	12,036	11,532	10,605	10,605	-33	-72	-93	0.931	0.903	0.865	0.795
Cromwell	14,005	14,365	14,555	14,682	14,897	15,397	16,160	17,955	63	72	76	1.077	1.117	1.155	1.347
Deep River	4,629	4,458	4,333	4,250	4,114	3,795	3,201	3,201	-42	-46	-59	0.334	0.309	0.285	0.240
Durham	7,388	7,509	7,495	7,486	7,394	7,180	6,791	6,791	-5	-31	-39	0.563	0.555	0.539	0.509
East Granby	5,148	5,252	5,292	5,318	5,325	5,341	5,306	5,306	13	2	-4	0.394	0.399	0.401	0.398
East Haddam	9,126	9,233	9,195	9,170	9,063	8,814	8,165	8,165	-13	-36	-65	0.692	0.680	0.661	0.612
East Hampton	12,959	13,403	13,617	13,759	13,546	13,049	11,543	11,543	71	-71	-151	1.005	1.016	0.979	0.866
East Hartford	51,252	52,053	52,766	53,241	54,147	56,260	58,550	63,415	238	302	229	3.904	4.061	4.220	4.756
East Haven	29,257	29,248	29,297	29,329	29,409	29,594	28,958	28,958	16	27	-64	2.194	2.206	2.220	2.172
East Windsor	11,162	11,802	12,311	12,651	13,193	14,459	16,011	18,945	170	181	155	0.885	0.990	1.084	1.421
Ellington	15,602	16,811	17,505	17,967	18,582	20,018	21,951	25,011	231	205	193	1.261	1.394	1.501	1.876
Enfield	44,654	43,779	43,385	43,122	42,779	41,980	40,015	40,015	-131	-114	-197	3.283	3.208	3.149	3.001
Essex	6,683	6,505	6,359	6,262	6,094	5,703	5,082	5,082	-49	-56	-62	0.488	0.457	0.428	0.381
Farmington	25,340	25,398	25,411	25,420	25,526	25,773	26,150	27,665	4	35	38	1.905	1.914	1.933	2.075
Glastonbury	34,427	34,920	34,853	34,809	34,676	34,366	35,939	41,929	-22	-44	157	2.619	2.601	2.577	3.145
Granby	11,282	11,333	11,106	10,954	10,690	10,074	10,051	10,051	-76	-88	-2	0.850	0.802	0.756	0.754
Guilford	22,375	22,553	22,368	22,244	22,010	21,463	21,853	24,204	-62	-78	39	1.691	1.651	1.610	1.815
Haddam	8,346	8,681	8,779	8,844	8,825	8,782	8,630	8,630	33	-6	-15	0.651	0.662	0.659	0.647
Hamden	60,960	61,263	62,032	62,544	63,808	66,758	70,408	80,623	256	421	365	4.595	4.786	5.007	6.047
Hartford	124,775	124,899	125,826	126,444	127,205	128,982	126,849	126,849	309	254	-213	9.367	9.540	9.674	9.514
Hebron	9,686	9,660	9,601	9,562	9,239	8,484	7,889	7,889	-20	-108	-60	0.725	0.693	0.636	0.592
Killingworth	6,525	6,522	6,379	6,283	6,102	5,681	4,955	4,955	-48	-60	-73	0.489	0.458	0.426	0.372
Lyme	2,406	2,499	2,541	2,569	2,607	2,697	2,742	2,742	14	13	5	0.187	0.196	0.202	0.206

Table C-1. Central PWSMA Population Projections

Municipality	2010 Census Population	2015 CT SDC Population Projection	2018 CT SDC Population Projection	2020 CT SDC Population Projection	2023 Population Projection	2030 CT SDC Population Projection	2040 CT SDC Population Projection	2060 Population Projection	Population Increase per Year (2015-2020)	Population Increase per Year (2020-2030)	Population Increase per Year (2030-2040)	2015 Estimated Water Demand (mgd)*	2023 Estimated Water Demand (mgd)*	2030 Estimated Water Demand (mgd)*	2060 Estimated Water Demand (mgd)*
Madison	18,269	18,266	17,748	17,403	17,003	16,068	16,261	19,513	-173	-134	19	1.370	1.275	1.205	1.463
Manchester	58,241	60,155	61,682	62,700	64,436	68,487	73,036	81,697	509	579	455	4.512	4.833	5.137	6.127
Mansfield	26,543	26,706	26,966	27,140	27,338	27,800	29,416	33,756	87	66	162	2.003	2.050	2.085	2.532
Marlborough	6,404	6,357	6,304	6,269	6,113	5,749	5,217	5,217	-18	-52	-53	0.477	0.458	0.431	0.391
Meriden	60,868	61,835	62,460	62,876	63,567	65,180	66,146	66,366	208	230	97	4.638	4.768	4.889	4.977
Middlefield	4,425	4,446	4,435	4,427	4,417	4,395	4,333	4,333	-4	-3	-6	0.333	0.331	0.330	0.325
Middletown	47,648	48,319	49,241	49,856	51,105	54,018	57,666	66,644	307	416	365	3.624	3.833	4.051	4.998
Milford	52,759	51,958	51,413	51,049	50,534	49,331	46,897	46,897	-182	-172	-243	3.897	3.790	3.700	3.517
New Britain	73,206	73,733	74,659	75,277	76,367	78,909	80,989	83,832	309	363	208	5.530	5.727	5.918	6.287
New Haven	129,779	131,871	133,977	135,381	137,305	141,795	143,914	143,914	702	641	212	9.890	10.298	10.635	10.794
Newington	30,562	30,804	31,033	31,185	31,603	32,578	34,158	39,102	76	139	158	2.310	2.370	2.443	2.933
North Branford	14,407	14,182	13,948	13,792	13,512	12,858	11,855	11,855	-78	-93	-100	1.064	1.013	0.964	0.889
North Haven	24,093	24,020	23,889	23,801	23,691	23,433	23,245	23,245	-44	-37	-19	1.802	1.777	1.757	1.743
Old Lyme	7,603	7,437	7,270	7,159	6,998	6,621	6,040	6,040	-56	-54	-58	0.558	0.525	0.497	0.453
Old Saybrook	10,242	9,789	9,441	9,209	8,883	8,123	6,987	6,987	-116	-109	-114	0.734	0.666	0.609	0.524
Orange	13,956	13,844	13,802	13,774	13,746	13,682	14,075	15,781	-14	-9	39	1.038	1.031	1.026	1.184
Plainville	17,716	17,689	17,691	17,692	17,738	17,845	17,652	17,652	1	15	-19	1.327	1.330	1.338	1.324
Portland	9,508	9,695	9,744	9,776	9,833	9,965	10,145	10,553	16	19	18	0.727	0.737	0.747	0.791
Rocky Hill	19,709	20,450	20,948	21,280	21,839	23,143	24,926	28,832	166	186	178	1.534	1.638	1.736	2.162
Simsbury	23,511	23,321	22,747	22,364	22,217	21,874	23,574	28,289	-191	-49	170	1.749	1.666	1.641	2.122
Somers	11,444	11,665	11,693	11,712	11,661	11,543	11,330	11,330	9	-17	-21	0.875	0.875	0.866	0.850
South Windsor	25,709	25,459	25,105	24,869	24,614	24,018	23,389	23,389	-118	-85	-63	1.909	1.846	1.801	1.754
Southington	43,069	43,597	43,714	43,792	43,602	43,160	42,639	42,639	39	-63	-52	3.270	3.270	3.237	3.198
Stafford	12,087	12,130	12,153	12,168	12,108	11,968	11,496	11,496	8	-20	-47	0.910	0.908	0.898	0.862
Suffield	15,735	16,199	16,440	16,600	16,721	17,002	17,458	17,527	80	40	46	1.215	1.254	1.275	1.315
Tolland	15,052	15,244	15,119	15,036	14,548	13,409	12,295	12,295	-42	-163	-111	1.143	1.091	1.006	0.922
Vernon	29,179	29,485	29,826	30,053	30,372	31,117	31,375	31,375	114	106	26	2.211	2.278	2.334	2.353
Wallingford	45,135	45,068	45,006	44,965	44,972	44,988	44,313	44,313	-21	2	-68	3.380	3.373	3.374	3.323
West Hartford	63,268	64,301	64,886	65,276	66,196	68,342	72,685	86,103	195	307	434	4.823	4.965	5.126	6.458
West Haven	55,564	56,224	57,482	58,321	60,368	65,144	73,508	88,210	419	682	836	4.217	4.528	4.886	6.616
Westbrook	6,938	7,048	7,066	7,078	7,072	7,059	6,911	6,911	6	-2	-15	0.529	0.530	0.529	0.518
Wethersfield	26,668	26,690	26,755	26,799	27,082	27,741	29,129	34,338	22	94	139	2.002	2.031	2.081	2.575
Willington	6,041	6,397	6,443	6,474	6,467	6,450	5,937	5,937	15	-2	-51	0.480	0.485	0.484	0.445
Windsor	29,044	28,721	28,572	28,473	28,399	28,225	27,498	27,498	-50	-25	-73	2.154	2.130	2.117	2.062
Windsor Locks	12,498	12,487	12,528	12,555	12,618	12,766	12,633	12,633	14	21	-13	0.937	0.946	0.957	0.947
Woodbridge	8,990	8,654	8,404	8,237	8,015	7,497	6,599	6,599	-83	-74	-90	0.649	0.601	0.562	0.495
Total	**1,719,645**	**1,732,441**	**1,741,065**	**1,746,814**	**1,756,653**	**1,779,610**	**1,803,285**	**1,918,862**				**129.933**	**131.749**	**133.471**	**143.915**

*At 75 gallons per person per day

APPENDIX D

SUMMARY OF SMALL COMMUNITY SYSTEM OPTIONS

Table D-1. Small Community Water System Capacity Scores and Potential Options for Improving Capacity

Town	PWS ID	Small Community PWS Name	TOTAL SCORE	Technical Score	Managerial Score	Financial Score	Option A	Option B	Option C	Option D
ANDOVER	CT0010011	WHISPERING HILLS, LLC - WELL A SYSTEM	44	20	71	40	X	X		X
ANDOVER	CT0010111	WHISPERING HILLS, LLC - WELL D SYSTEM	44	20	71	40	X	X		X
BETHANY	CT0081011	BETHANY MOBILE HOME PARK	43	35	53	40	X		X	X
BLOOMFIELD	CT0110011	GRANT HILL ASSOCIATES, INC.	45	25	71	40	X		X	X
BLOOMFIELD	CT0110051	JUNIPER CLUB INC.	52	55	61	40	X		X	X
BLOOMFIELD	CT0110041	ORCHARD HILL ASSOCIATION	67	80	81	40	X		X	X
BLOOMFIELD	CT0110031	SHARON HEIGHTS WATER ASSOCIATION	45	25	71	40	X		X	X
BOLTON	CT0121051	166 & 180 BOSTON TURNPIKE	55	55	71	40	X	X		
BOLTON	CT0121081	890 BOSTON TURNPIKE	43	30	60	40	X	X		
BOLTON	CT0120111	COOK DRIVE ASSOCIATION	45	25	71	40	X	X		
BOLTON	CT0120041	SUNSET APARTMENTS LLC	37	20	71	20	X	X		
CANTON	CT0231011	298-302 ALBANY TURNPIKE	47	30	71	40	X		X	X
CHESTER	CT0261001	AARON MANOR NURSING & REHAB CENTER	62	85	81	20	X	X		
CLINTON	CT0270051	NOD HILL APARTMENTS	59	55	81	40	X		X	X
COLUMBIA	CT0309051	DARTMOUTH VILLAGE ELDERLY HOUSING	52	45	71	40	X	X		
COLUMBIA	CT0300071	WOODLAND TERRACE	67	80	81	40	X	X		
DEEP RIVER	CT0361011	RIDGEWOOD HILLS ASSOCIATION, SYSTEM #1	65	85	71	40	X	X		X
DEEP RIVER	CT0363031	RIDGEWOOD HILLS ASSOCIATION, SYSTEM #2	64	70	81	40	X	X		X
DEEP RIVER	CT0363041	RIDGEWOOD HILLS ASSOCIATION, SYSTEM #3	57	50	81	40	X	X		X
DEEP RIVER	CT0363051	RIDGEWOOD HILLS ASSOCIATION, SYSTEM #4	69	85	81	40	X	X		X
EAST GRANBY	CT0400041	GQC WELL COMMISSION	50	40	71	40	X		X	X
EAST HADDAM	CT0419221	31 GRIST MILL RD	42	25	60	40	X	X		X
EAST HADDAM	CT0411061	CHESTELM HEALTH & REHABILITATION CENTER	64	40	72	80	X	X	X	
EAST HAMPTON	CT0420021	EDGEMERE CONDOMINIUM ASSN., INC.	65	75	80	40	X	X		X
EAST HAMPTON	CT0427011	MALLARD COVE CONDOMINIUM ASSN.	52	55	62	40	X	X		X
EAST HAMPTON	CT0421001	WESTSIDE MANOR	67	50	71	80	X		X	X
EAST WINDSOR	CT0470071	EAST WINDSOR HOUSING AUTHORITY	45	45	50	40	X		X	X
EAST WINDSOR	CT0470044	MARKOWSKI FARMS	38	55	60	0	X	X		X
EAST WINDSOR	CT0470021	SCHOOL HILL ASSOCIATION, INC.	57	50	82	40	X		X	X
ELLINGTON	CT0480081	MEADOWBROOK APARTMENTS, LLC	61	80	62	40	X		X	X
ENFIELD	CT0490041	SHAKER HEIGHTS WATER COMPANY	55	30	80	55	X		X	X
ESSEX	CT0500021	HEMLOCK APARTMENTS	52	65	51	40	X	X		
GUILFORD	CT0600041	QUONNIPAUG HILLS - MAIN SYSTEM	61	40	82	60	X	X		X
GUILFORD	CT0606011	QUONNIPAUG HILLS - SECTION I	52	25	72	60	X	X		X
HADDAM	CT0614021	HIGH MEADOW	64	40	71	80	X	X		X
HADDAM	CT0614031	SAYBROOK AT HADDAM	61	30	72	80	X	X		
HEBRON	CT0670021	ABBY WATER LLC	57	20	70	80	X	X		
HEBRON	CT0670041	HEBRON ARMS APARTMENTS	42	25	62	40	X	X		X
HEBRON	CT0670051	HILLSIDE CONDOMINIUMS	54	40	82	40	X		X	X
HEBRON	CT0671021	WELLSWOOD ESTATES FOUNDATION, INC.	59	40	82	55	X		X	X
MANSFIELD	CT0780181	CARRIAGE HOUSE APARTMENTS	52	35	81	40	X		X	X
MANSFIELD	CT0780101	CLUB HOUSE APARTMENTS	65	55	61	80	X		X	X

Table D-1. Small Community Water System Capacity Scores and Potential Options for Improving Capacity

Town	PWS ID	Small Community PWS Name	TOTAL SCORE	Technical Score	Managerial Score	Financial Score	Option A	Option B	Option C	Option D
MANSFIELD	CT0780091	HUNTING LODGE APARTMENTS	69	85	82	40	X		X	X
MANSFIELD	CT0780251	MANSFIELD VILLAGE, LLC	59	65	72	40	X	X		
MANSFIELD	CT0780161	MAPLEWOOD APARTMENTS	59	55	81	40	X	X		
MANSFIELD	CT0780061	ORCHARD ACRES ASSOCIATION	59	55	81	40	X		X	X
MANSFIELD	CT0780171	RENWOOD APARTMENTS	64	80	72	40	X		X	X
MANSFIELD	CT0781131	ROCKRIDGE CONDOMINIUMS	50	60	50	40	X		X	X
MANSFIELD	CT0780041	WHITE OAK CONDOMINIUMS	45	15	81	40	X	X		
MIDDLEFIELD	CT0821001	REJA - RAINBOW SPRING WATER COMPANY	45	25	71	40	X	X		
NORTH BRANFORD	CT0990031	NORTHFORD GLEN CONDOMINIUM ASSOCIATION	48	65	40	40	X	X		
OLD LYME	CT1051011	BOXWOOD CONDOMINIUM ASSOCIATION	53	45	72	40	X	X	X	
OLD LYME	CT1059251	LYME ACADEMY APARTMENTS,LLC	47	30	71	40	X	X		
OLD LYME	CT1050141	LYME REGIS, INC.	59	55	81	40	X	X	X	
OLD LYME	CT1056221	LYMEWOOD ELDERLY HOUSING	52	10	50	95	X	X	X	
OLD LYME	CT1051021	MIAMI BEACH WATER COMPANY	65	40	74	80	X		X	X
OLD LYME	CT1050131	MILE CREEK APARTMENTS	57	50	82	40	X	X		
STAFFORD	CT1341303	STAFFORD HOLLOW WATER ASSOCIATION	40	30	50	40	X	X		
TOLLAND	CT1420021	BAXTER FARMS COMMUNITY WATER ASSOC	65	45	71	80	X	X	X	
TOLLAND	CT1420081	EASTVIEW KOZLEY WATER ASSOCIATION	52	45	70	40	X	X		
TOLLAND	CT1420091	NORWEGIAN WOODS APARTMENTS	64	70	81	40	X		X	X
TOLLAND	CT1426011	STONE POND CONDOMINIUMS	50	60	50	40	X		X	X
VERNON	CT1463011	VERNON VILLAGE INC.	56	45	82	40	X		X	X
WESTBROOK	CT1548011	SAFE HARBOR, INC.	62	40	50	95	X	X		

Note: NR means that a system was not evaluated using the Capacity Development Tool. Such systems were assumed to have moderate capacity.

Option A: Conduct internal improvements and remain a small independently owned community water system

Option B: Pursue acquisition by larger utility and remain a satellite water sytsem under new ownership and management

Option C: Interconnect with larger or more viable community water system to ensure redundant supply source

Option D: Interconnection and eventual consolidation with larger or more viable community water system