

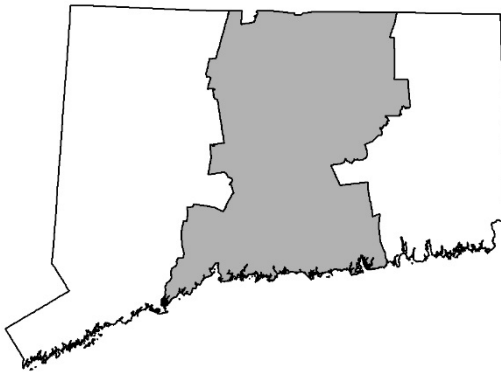


Coordinated Water System Plan
Part I: Final Water Supply Assessment
Central Connecticut Public Water Supply Management Area
December 12, 2016

Coordinated Water System Plan

Part I: Final Water Supply Assessment

Central Connecticut Public Water Supply Management Area
December 12, 2016



Prepared for:

CENTRAL REGION WATER UTILITY
COORDINATING COMMITTEE
c/o the Elected Recording Secretary
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&q=576506](http://www.ct.gov/dph/cwp/view.asp?a=3139&q=576506)

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MMI #1017-05-3



NOTICE TO READERS

This document was prepared under a grant from the United States Environmental Protection Agency administered by the Connecticut Department of Public Health. 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 Environmental Protection Agency or the Connecticut Department of Public Health.

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Member	Member
Aquarion Water Company	Manchester Water & Sewer Department
Avon Water Company	Town of Marlborough
Berlin Water Control Commission	Meriden Water Division
Bristol Water Department	Metropolitan District Commission
Capitol Region Council of Governments	Middletown Water & Sewer Department
Connecticut Department of Energy & Environmental Protection	New Britain Water Department
Connecticut Water Company	Portland Water Department
Town of Coventry	Town of Simsbury
Cromwell Fire District	South Central Connecticut Regional Water Authority
Town of Durham	South Central Region Council of Governments
Town of East Haddam	Southington Water Department
East Hampton Water Pollution Control Authority	Tolland Water Commission
Town of Haddam	Twin Maples Healthcare, Inc.
Hazardville Water Company	University of Connecticut
Juniper Club, Inc.	Wallingford Water Division
Lower Connecticut River Valley Council of Governments	

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Citizens Campaign for the Environment	North Haven Department of Public Works
Connecticut Department of Public Health	Prime AE Group
Connecticut Office of Policy & Management	Quinnipiac River Watershed Association
Connecticut Public Utilities Regulatory Authority	River Advocates of South Central Connecticut
Connecticut River Watershed Council	Rivers Alliance of Connecticut
Durham Conservation Commission	Rome Smith and Lutz
Essex Health Department	Save Our Water – Connecticut
Farmington River Watershed Association	Tighe & Bond, Inc.
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APPENDIX F

SUMMARY OF CAPACITY DEVELOPMENT ASSESSMENT SCORES

Connecticut Department of Public Health - Drinking Water Section

Public Water System (PWS) Capacity Development Assessment (CDA):

Community PWS Serving < 1000 pop.

Public Water System (PWS) Name/Identification (PWSID)	
PWS Electronic Mail Address	
Name/Title - Owner or Owner's Representative	
Certified Operator	

<u>Technical CDA Requirements/Regulatory References</u>	<u>Value</u>	<u>Comments</u>	<u>Points</u>
T1. Significant Deficiencies (SD)?; <u>One or more = 0 points;</u> <u>None = 35 points;</u> <i>RCSA 19-13-B102(e)(7)(E)(iv)(I thru IV)</i>			
T2. Minor Deficiencies (MD)? [Y N]; Includes water meters, sample taps, failure to: a) conduct routine operations and maintenance (valve exercise, storage tank inspection & maintenance, flushing, etc.); b) maintain representative records; c) maintain updated distribution map? <u>None = 25 points;</u> <u>One or more = Subtract 5 points per MSD;</u> <i>RCSA 19-13-B102(l) (1)(A-U);RCSA19-13-B102(n)(1-5); RCSA19-13- B102(u); RCSA 19-13-B102(v)</i>			
T3. Maximum Contaminant Level (MCL) violations incurred within the past 12 month period? <u>No = 10 points;</u> <u>Yes = 0 points;</u> <i>RCSA 19-13-B102(e)</i>			
T4. Source(s), pump(s), storage tank(s), treatment systems, and distribution able to regularly meet current and future expected system demands with more than one active source of supply or suitable back-up (interconnection)? <u>Yes = 20 points;</u> <u>No = 0 points;</u> <i>RCSA 19-13-B102(o);RCSA 19-13-B102(p)</i>			
T5. PWS owns or controls required sanitary radii and setback distances for sources of supply?; <u>Yes – 10 points;</u> <u>No – 0 points;</u> <i>RCSA 19-13-B51(d)</i>			
<u>Technical Capacity Development Assessment Score:</u>			

<u>Managerial CDA Requirements/ Regulatory References</u>	<u>Value</u>	<u>Comments</u>	<u>Points</u>
M1. Monitoring & Reporting (M & R) violations in prior 12 month period? <u>No = 10 points;</u> <u>Yes = 0 points;</u> <i>RCSA 19-13-B102(e)</i>			
M2. Treatment Technique (TT) violations incurred within the prior 12 month time period? <u>No = 10 points;</u> <u>Yes = 0 points;</u> <i>RCSA 19-13-B102(e)(7)(E)(vi)(I and II)</i>			
M3. PWS on the EPA's Enforcement Targeting Tool (ETT) list within prior 12 month time period?; <u>Zero= 30 points;</u> <u>0 points if ETT >= 11; 5 points if 6 <= ETT <=10</u>			
M4. Certified operator present at the sanitary survey? <u>Yes = 10 points;</u> <u>No = 0 points;</u> <i>19-13-B102(e)(7)(E)(i)(VI)</i>			
M5. PWS has a system sufficiency plan developed and in-place including the ability to obtain more than one active source of supply (or a suitable back-up like an interconnection)? <u>Yes – 10 points;</u> <u>No – 0 points;</u> <i>RCSA 19-13-B102(o)</i>			
M6. PWS has a program to reduce unaccounted for water usage and meter calibration in-place?; <u>Yes = 1 point;</u> <u>No = 0 points;</u> <i>RCSA 19-13-B102(s)</i>			

M7. PWS satisfies the annual notification of emergency contact numbers and arrangement of emergency crews or contracted vendors?; <u>Yes = 1 point; No = 0 points;</u> <i>RCSA 19-13-B102(r)</i>			
M8. PWS by-laws, resolutions, or ordinances reviewed at least biennially?; <u>Yes = 1 point; N = 0 points</u>			
M9. Individuals deemed in direct responsible charge are clearly defined and legally empowered in by-laws or by ordinances to act on behalf of the PWS? <u>Yes = 2 points; No = 0 points</u>			
M10. Emergency power capability (generator, transfer switch) or contractual arrangements with a DPH licensed bulk water hauler?; <u>Yes – 15 points; No – 0 points</u>			
M11. Site map that designates water company lands and the location of the sources of supply and the proximity to potential sources of contamination made available?; <u>Yes – 10 points; No - 0 points; RCSA 19-13-B102(e)(7)(E)(i)(III-V)</u>			
Managerial Capacity Development Assessment Score:			

<u>Financial CDA Requirements/ Regulatory References</u>	<u>Value</u>	<u>Comments</u>	<u>Points</u>
F1. PWS has a rate structure or rate setting plan that addresses the ‘full cost pricing’ of water and reserve fund?; <u>Yes = 20 points; No = 0 points</u>			
F2. PWS conducts a ‘full cost to do business’ analysis (i.e. completes EPA’s “Setting Small Drinking Water Rates for a Sustainable Future” Annual Costs Worksheet annually)?; <u>Yes = 20 points; No = 0 points</u>			
F3. PWS develops and calculates revenues required for ‘full cost to do business’ (i.e. complete the EPA’s “Setting Small Drinking Water Rates for Sustainable Future” Annual Revenue Worksheet each year)?; <u>Yes = 20 points; No = 0 points</u>			
F4. PWS has rules, regulations, by-laws that set procedures and a process to conduct billing and address delinquent payments?; <u>Yes = 20 points; No = 0 points</u>			
F5. PWS has an Asset Management (AM) plan and current water rates and rate structures produce adequate income for asset replacement and system rehabilitation?; <u>Yes = 15 points; No = 0 points</u>			
F6. PWS has the legal authority to levy special assessments on customers for unexpected large expenses?; <u>Yes = 5 points; No = 0 points</u>			
Financial Capacity Development Assessment Score:			

<p>Capacity Scorecard Rating = (Technical [T] + Managerial [M] + Financial [F])/ 3 =</p> <p>Risk Level: 70 to 100 = LOW; 40 to 69 = MODERATE; 0 to 39 = HIGH</p>	<div style="border: 1px solid black; width: 60px; height: 60px; margin: 0 auto;"></div>
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Capacity Assessment Query

Friday, September 23, 2016

1:19:56 PM

Town	PWSID #	Public Water System	Total Capacity Score	Technical Score	Managerial Score	Financial Score	WUCC
ANDOVER	CT0012011	HOP RIVER HOMES	74	70	72	80	CENTRAL
ANDOVER	CT0010011	WHISPERING HILLS, LLC - WELL A SYSTEM	47	30	71	40	CENTRAL
ANDOVER	CT0010111	WHISPERING HILLS, LLC - WELL D SYSTEM	47	30	71	40	CENTRAL
BLOOMFIELD	CT0110041	ORCHARD HILL ASSOCIATION	67	80	81	40	CENTRAL
BLOOMFIELD	CT0110011	GRANT HILL ASSOCIATES, INC.	40	25	56	40	CENTRAL
BLOOMFIELD	CT0110031	SHARON HEIGHTS WATER ASSOCIATION	45	25	71	40	CENTRAL
BLOOMFIELD	CT0110051	JUNIPER CLUB INC.	52	55	61	40	CENTRAL
BOLTON	CT0121081	890 BOSTON TURNPIKE	36	40	30	40	CENTRAL
BOLTON	CT0121051	166 & 180 BOSTON TURNPIKE	53	65	56	40	CENTRAL
BOLTON	CT0120041	SUNSET APARTMENTS LLC	35	30	56	20	CENTRAL
BOLTON	CT0120111	COOK DRIVE ASSOCIATION	45	25	71	40	CENTRAL
BOLTON	CT0120031	SOUTHRIDGE PARK APARTMENTS	70	85	87	40	CENTRAL
CANTON	CT0231011	298-302 ALBANY TURNPIKE	42	30	56	40	CENTRAL
CHESTER	CT0261001	AARON MANOR NURSING & REHAB CENTER	62	85	81	20	CENTRAL
CLINTON	CT0270041	EVERGREEN TRAILER PARK - SYSTEM #1	82	85	82	80	CENTRAL
CLINTON	CT0270101	EVERGREEN TRAILER PARK - SYSTEM #3	85	95	82	80	CENTRAL
CLINTON	CT0270111	EVERGREEN TRAILER PARK - SYSTEM #4	90	95	97	80	CENTRAL
CLINTON	CT0270051	NOD HILL APARTMENTS	58	55	81	40	CENTRAL
CLINTON	CT0270091	EVERGREEN TRAILER PARK - SYSTEM #2	82	85	82	80	CENTRAL
COLUMBIA	CT0300071	WOODLAND TERRACE	67	80	81	40	CENTRAL
COLUMBIA	CT0309051	DARTMOUTH VILLAGE ELDERLY HOUSING	47	45	56	40	CENTRAL
DEEP RIVER	CT0363011	MOUNT SAINT JOHN SCHOOL	85	65	97	95	CENTRAL
DEEP RIVER	CT0363031	RIDGEWOOD HILLS ASSOCIATION, SYSTEM #2	67	80	81	40	CENTRAL

Town	PWSID #	Public Water System	Total Capacity Score	Technical Score	Managerial Score	Financial Score	WUCC
DEEP RIVER	CT0363041	RIDGEWOOD HILLS ASSOCIATION, SYSTEM #3	60	60	81	40	CENTRAL
DEEP RIVER	CT0363051	RIDGEWOOD HILLS ASSOCIATION, SYSTEM #4	72	95	81	40	CENTRAL
DEEP RIVER	CT0361011	RIDGEWOOD HILLS ASSOCIATION, SYSTEM #1	68	95	71	40	CENTRAL
DURHAM	CT0380651	DURHAM LEXINGTON PLACE DIVISION	85	85	71	100	CENTRAL
DURHAM	CT0380641	DURHAM ELDERLY HOUSING DIVISION	90	85	86	100	CENTRAL
DURHAM	CT0381011	TWIN MAPLES NURSING HOME	75	85	87	55	CENTRAL
DURHAM	CT0380021	DURHAM CENTER DIVISION	82	60	86	100	CENTRAL
EAST GRANBY	CT0408021	METACOMET HOMES-WELL 2	80	65	97	80	CENTRAL
EAST GRANBY	CT0400031	TURKEY HILL OF EAST GRANBY, LLC	77	90	87	55	CENTRAL
EAST GRANBY	CT0400041	GQC WELL COMMISSION	53	50	71	40	CENTRAL
EAST GRANBY	CT0400051	OLD NEWGATE RIDGE WATER COMPANY INC	72	65	72	80	CENTRAL
EAST GRANBY	CT0400061	METACOMET HOMES-WELL 1	92	100	97	80	CENTRAL
EAST GRANBY	CT0408011	CHELSEA COMMON CONDOMINIUM ASSOCIATION	65	90	66	40	CENTRAL
EAST HADDAM	CT0419211	GOODSPEED ACTOR HOUSING - THE VILLAGE	82	80	72	95	CENTRAL
EAST HADDAM	CT0419221	31 GRIST MILL RD	45	35	60	40	CENTRAL
EAST HADDAM	CT0411061	CHESTEM HEALTH & REHABILITATION CENTER	69	40	87	80	CENTRAL
EAST HADDAM	CT0413011	OAK GROVE SENIOR HOUSING CORP	70	50	82	80	CENTRAL
EAST HADDAM	CT0418011	FRANKLIN ACADEMY	70	75	81	55	CENTRAL
EAST HAMPTON	CT0424011	CHATHAM ACRES ELDERLY HOUSING	77	80	72	80	CENTRAL
EAST HAMPTON	CT0427011	MALLARD COVE CONDOMINIUM ASSN.	57	85	47	40	CENTRAL
EAST HAMPTON	CT0421011	Z, INC.	73	80	61	80	CENTRAL
EAST HAMPTON	CT0421001	WESTSIDE MANOR	67	50	71	80	CENTRAL
EAST HAMPTON	CT0420031	BELLWOOD COURT	72	65	72	80	CENTRAL

Town	PWSID #	Public Water System	Total Capacity Score	Technical Score	Managerial Score	Financial Score	WUCC
EAST HAMPTON	CT0420021	EDGEMERE CONDOMINIUM ASSN., INC.	68	85	80	40	CENTRAL
EAST HAMPTON	CT0420071	CHATHAM APARTMENTS	89	90	82	95	CENTRAL
EAST WINDSOR	CT0470044	MARKOWSKI FARMS	33	55	45	0	CENTRAL
EAST WINDSOR	CT0470071	EAST WINDSOR HOUSING AUTHORITY	55	75	50	40	CENTRAL
EAST WINDSOR	CT0470021	SCHOOL HILL ASSOCIATION, INC.	57	50	82	40	CENTRAL
ELLINGTON	CT0480081	MEADOWBROOK APARTMENTS, LLC	59	90	47	40	CENTRAL
ENFIELD	CT0490041	SHAKER HEIGHTS WATER COMPANY	55	30	80	55	CENTRAL
ESSEX	CT0501001	MEADOWBROOK MANOR LLC	79	70	87	80	CENTRAL
ESSEX	CT0500011	HERITAGE COVE CONDOMINIUMS	76	80	50	100	CENTRAL
ESSEX	CT0500021	HEMLOCK APARTMENTS	52	65	51	40	CENTRAL
GUILFORD	CT0606011	QUONNIPAUG HILLS - SECTION I	52	25	72	60	CENTRAL
GUILFORD	CT0600041	QUONNIPAUG HILLS - MAIN SYSTEM	55	40	67	60	CENTRAL
HADDAM	CT0614021	HIGH MEADOW	58	40	56	80	CENTRAL
HADDAM	CT0614031	SAYBROOK AT HADDAM	60	30	72	80	CENTRAL
HEBRON	CT0671021	WELLSWOOD ESTATES FOUNDATION, INC.	59	40	82	55	CENTRAL
HEBRON	CT0670051	HILLSIDE CONDOMINIUMS	49	40	67	40	CENTRAL
HEBRON	CT0670041	HEBRON ARMS APARTMENTS	42	25	62	40	CENTRAL
HEBRON	CT0670021	ABBY WATER LLC	56	20	70	80	CENTRAL
KILLINGWORTH	CT0700011	JENSENS, INC. BEECHWOOD RESIDENTIAL	89	90	82	95	CENTRAL
MADISON	CT0760021	GREEN SPRINGS SUBDIVISION	86	90	74	95	CENTRAL
MANSFIELD	CT0780091	HUNTING LODGE APARTMENTS	69	85	82	40	CENTRAL
MANSFIELD	CT0780061	ORCHARD ACRES ASSOCIATION	58	55	81	40	CENTRAL
MANSFIELD	CT0780101	CLUB HOUSE APARTMENTS	65	55	61	80	CENTRAL
MANSFIELD	CT0780131	WOODS EDGE APARTMENTS, LLC	72	95	82	40	CENTRAL

Town	PWSID #	Public Water System	Total Capacity Score	Technical Score	Managerial Score	Financial Score	WUCC
MANSFIELD	CT0780141	JENSENS, INC. ROLLING HILLS RESIDENTIAL	76	80	53	95	CENTRAL
MANSFIELD	CT0780161	MAPLEWOOD APARTMENTS	58	55	81	40	CENTRAL
MANSFIELD	CT0780171	RENWOOD APARTMENTS	64	80	72	40	CENTRAL
MANSFIELD	CT0780181	CARRIAGE HOUSE APARTMENTS	52	35	81	40	CENTRAL
MANSFIELD	CT0780251	MANSFIELD VILLAGE, LLC	62	75	72	40	CENTRAL
MANSFIELD	CT0780271	S & P PROPERTIES LLC	42	30	57	40	CENTRAL
MANSFIELD	CT0781131	ROCKRIDGE CONDOMINIUMS	50	60	50	40	CENTRAL
MANSFIELD	CT0780051	KNOLLWOOD ACRES APARTMENTS	75	75	72	80	CENTRAL
MANSFIELD	CT0780041	WHITE OAK CONDOMINIUMS	40	15	66	40	CENTRAL
MARLBOROUGH	CT0790041	LAUREL HILL WATER ASSOCIATION	69	85	82	40	CENTRAL
MARLBOROUGH	CT0791001	MARLBOROUGH HEALTH CARE CENTER, INC	80	95	67	80	CENTRAL
MARLBOROUGH	CT0790021	HILLSIDE CORPORATION	75	80	66	80	CENTRAL
MIDDLEFIELD	CT0820501	OLD INDIAN TRAIL	90	90	82	100	CENTRAL
MIDDLEFIELD	CT0821001	REJA - RAINBOW SPRING WATER COMPANY	40	25	56	40	CENTRAL
MIDDLEFIELD	CT0826061	SYLVAN RIDGE CONDOMINIUMS	72	90	71	55	CENTRAL
MIDDLEFIELD	CT0827081	BITTERSWEET RIDGE WATER ASSOCIATION	77	55	98	80	CENTRAL
MIDDLEFIELD	CT0820031	MIDDLEFIELD HOUSING AUTHORITY	80	60	100	80	CENTRAL
NORTH BRANFORD	CT0990011	BLUE TRAILS WATER ASSOCIATION	81	85	80	80	CENTRAL
NORTH BRANFORD	CT0990031	NORTHFORD GLEN CONDOMINIUM ASSOCIATION	40	55	25	40	CENTRAL
OLD LYME	CT1056231	LAUREL HEIGHTS ASSOCIATION, INC.	78	100	96	40	CENTRAL
OLD LYME	CT1059251	LYME ACADEMY APARTMENTS,LLC	45	40	56	40	CENTRAL
OLD LYME	CT1050131	MILE CREEK APARTMENTS	55	60	67	40	CENTRAL
OLD LYME	CT1056241	RYE FIELD MANOR ELDERLY HOUSING	82	85	67	95	CENTRAL

Town	PWSID #	Public Water System	Total Capacity Score	Technical Score	Managerial Score	Financial Score	WUCC
OLD LYME	CT1051021	MIAMI BEACH WATER COMPANY	64	40	74	80	CENTRAL
OLD LYME	CT1050141	LYME REGIS, INC.	57	65	66	40	CENTRAL
OLD LYME	CT1050011	CHADWICK HOMEOWNERS ASSN., INC.	82	85	81	80	CENTRAL
OLD LYME	CT1056221	LYMEWOOD ELDERLY HOUSING	63	45	50	95	CENTRAL
OLD LYME	CT1051011	BOXWOOD CONDOMINIUM ASSOCIATION	55	55	72	40	CENTRAL
SIMSBURY	CT1280051	ETHEL WALKER SCHOOL	88	100	70	95	CENTRAL
SOMERS	CT1299031	TOWN OF SOMERS - RYE HILL SYSTEM	78	85	71	80	CENTRAL
SOUTHINGTON	CT1310031	APPLE VALLEY VILLAGE	69	100	67	40	CENTRAL
STAFFORD	CT1340032	JOHNSON MEMORIAL HOSPITAL, INC	75	95	50	80	CENTRAL
STAFFORD	CT1341303	STAFFORD HOLLOW WATER ASSOCIATION	48	70	35	40	CENTRAL
SUFFIELD	CT1390021	WEST SERVICE CORPORATION	84	85	72	95	CENTRAL
TOLLAND	CT1420041	WOODLAND SUMMIT COMMUNITY WATER ASSN	79	80	97	60	CENTRAL
TOLLAND	CT1429201	IVY WOODS	70	90	82	40	CENTRAL
TOLLAND	CT1429171	VILLAGE AT CRYSTAL SPRINGS	70	90	82	40	CENTRAL
TOLLAND	CT1426011	STONE POND CONDOMINIUMS	45	60	35	40	CENTRAL
TOLLAND	CT1420081	EASTVIEW KOZLEY WATER ASSOCIATION	50	55	55	40	CENTRAL
TOLLAND	CT1420021	BAXTER FARMS COMMUNITY WATER ASSOC	65	45	71	80	CENTRAL
TOLLAND	CT1420091	NORWEGIAN WOODS APARTMENTS	62	80	66	40	CENTRAL
VERNON	CT1463011	VERNON VILLAGE INC.	60	45	97	40	CENTRAL
WESTBROOK	CT1548011	SAFE HARBOR, INC.	75	80	50	95	CENTRAL

Capacity Assessment Query – Additional Systems in Central PWSMA

Town	PWSID #	Public Water System	Total Capacity Score	Technical Score	Managerial Score	Financial Score	WUCC
Bethany	CT0081011	Bethany Mobile Home Park	34	10	53	40	Central
Coventry	CT0320171	Coventry Housing Authority – Lower System	84	90	83	80	Central
Coventry	CT0320172	Coventry Housing Authority – Upper System	83	85	84	80	Central
Coventry	CT0320051	CWC - South Coventry Water Supply Company	91	80	97	95	Central
Coventry	CT0320061	Twin Hills Water District	37	20	72	20	Central
Willington	CT1600081	Cedar Ridge Apartments	71	90	82	40	Central
Willington	CT1600071	Deer Park Apartments	56	45	82	40	Central
Willington	CT1600101	Natural Park Apartments, LLC	64	70	82	40	Central
Willington	CT1600061	North Willington Village Condo Association	37	20	50	40	Central
Willington	CT1600051	Ridgeview Heights	59	55	82	40	Central
Willington	CT1600041	Walden Apartments	67	80	82	40	Central
Willington	CT1600021	Willington Oaks Apartments	65	85	71	40	Central
Willington	CT1606111	Willington Ridge Condos – System #1	75	90	81	55	Central
Willington	CT1606211	Willington Ridge Condos – System #2	74	85	81	55	Central
Willington	CT1609141	Willington Senior Center & Housing	92	85	97	95	Central
Willington	CT1600031	Woodhaven Apartments	42	25	62	40	Central

Total: 16