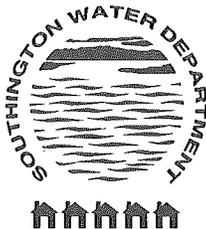


BOARD OF WATER COMMISSIONERS  
Robert M. Berkmoes, PRESIDENT  
Michael S. Domian, VICE PRESIDENT  
Thomas J. Murphy, SECRETARY & TREASURER  
Gregory Klimaszewski  
Angelina Santa Maria  
Erik E. Semmel



Frederick W. Rogers, SUPERINTENDENT  
William M. Casarella, ASSISTANT SUPERINTENDENT  
Ann Marie Anop, OFFICE SUPERVISOR  
605 West Queen Street  
P. O. Box 111  
Southington, CT 06489-0111  
(860) 628-5593 • Fax (860) 621-0491

December 3, 2014

U.S. Army Corps of Engineers  
441 G Street NW.,  
Washington, D.C. 20314-1000

**Attn:** CECW-CE (Lisa Kiefel)

Dear Ms. Kiefel:

Pursuant to the Notice published by the U.S. Army Corps of Engineers in the *Federal Register* on August 5, 2014, I hereby transmit a proposal on behalf of the Town of Southington, Connecticut, Board of Water Commissioners to modify its authorization contained in Public Law 110-114 for water supply infrastructure under Section 219.

**1. Provide the name of all non-Federal interests planning to act as the sponsor, including any non-Federal interest that has contributed or is expected to contribute toward the non-Federal share of the proposed feasibility study or modification.**

The primary non-federal sponsor of this modified project is the Board of Water Commissioners for the Town of Southington, Connecticut.

**2. State if this proposal is for a feasibility study or a modification to an authorized USACE project or feasibility study and, if a modification, specify the authorized project or study.**

The proposal will modify the following authorized project:

**Water Resources Development Act of 2007 (P.L 100-114)**

SEC. 5158. ADDITIONAL ASSISTANCE FOR CRITICAL PROJECTS.

Section 219 of the Water Resources Development Act of 1992 (106 Stat. 4835; 110 Stat. 3757; 113 Stat. 334; 113 Stat. 1494; 114 Stat. 2763A-219; 119 Stat. 2255) is amended—

“(118) SOUTHINGTON, CONNECTICUT.—\$9,420,000 for water supply infrastructure, Southington, Connecticut.”

**3. State the project purpose of the proposed study or modification.**

December 3, 2014

U.S. Army Corps of Engineers  
441 G Street NW.,  
Washington, D.C. 20314-1000

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**3. State the project purpose of the proposed study or modification.**

The Southington Water Department has been serving residential and commercial customers for more than 125 years, with current supply met by 4.0 - 7.0 million gallons per day (MGD) from wells and 1.2 MGD from surface water. However, Southington is struggling to provide current and future water supply, and will not be able to provide water to its 42,000 residents and businesses unless the community can address contamination in its present water supply, and establish sustainable, expanded water supplies for the future. Three wells have been closed for years due to Superfund contamination caused by other parties and other wellhead protection measures. Moreover, three of Southington's main wells are badly contaminated with iron and manganese, a problem that is fully expected to worsen without remediation.

Recognizing the urgency of this public health situation, Congress authorized \$9.42 million in Corps of Engineers, Section 219 Environmental Infrastructure funding in the Water Resources Development Act of 2007 to construct treatment facilities at Southington's drinking water well #2 and at wells # 7 and 8 to remove elevated concentrations of iron and manganese.

In July 2008, the U.S. Army Corps of Engineers completed an *Iron and Manganese Treatment Study* funded by a \$50,000 Planning Assistance to States (PAS) grant from the Corps, augmented by \$98,000 in PAS funding added by Congress, for a planning study to determine how to fix the iron and manganese pollution problems. The Corps of Engineers found that there were major needs in Southington to be able to continue providing safe drinking water to the community, and concluded that there is a federal interest in the Corps' participation in critical environmental infrastructure projects in Southington.

The study included in its *Purpose of the Study* a discussion that additional studies were recommended addressing water supply and distribution facilities in Southington.

The purpose of the proposed modification is to complete design, engineering and construction of 4 additional urgent water supply projects in the Town of Southington:

<b>Additional Project</b>
1. Installation of Automated Metering System for 42,000 residents and businesses
2. Replacement of Mill Street #1 steel drinking water tank with a 1 million gallon concrete tank
3. Improvements at Well #9 and Installation of Back-up Well
4. Improvements at Patton Brook Well and Installation of back-up Well

**4. Provide an estimate, to the extent practicable, of the total cost of the proposed study or modification.**

The modification to the current project authorization would require an additional \$7 million be added to the original \$9.42 million for the following items:

<b>Additional Project</b>	<b>Total Cost</b>
Automated Metering System Installation	\$2.0 million
Mill Street Tank Replacement	\$2.0 million
Well #9	\$1.5 million

Patton Brook Well	\$1.5 million
Total additional project cost:	\$7 million

**5. Describe, to the extent practicable, the anticipated monetary and nonmonetary benefits of the proposal including benefits to the protection of human life and property; improvement to transportation; the national economy; the environment; or the national security interests of the United States.**

This project is very important to the local and regional community because it is anticipated that Southington Water's number of customers will grow considerably over the next few years, and in order to meet critical water supply needs, rates may have to be raised 30-50%. If the manganese and iron contamination is not remediated in the wells, the situation will deteriorate the water supply for the citizens and businesses of the Southington region.

The Southington Water Commissioners have compiled an ambitious capital projects budget to replace water mains and other key water infrastructure, including water mains, a storage tank and a pump station. The Commissioners have also received a high rating from the State of Connecticut for the use of the State Drinking Water Revolving Loan Fund, but these funds have their limitations and must be augmented to address the urgent water supply and distributions needs identified by the U.S. Army Corps of Engineers in its 2008 PAS documents.

Southington proposes to install a combined automated metering and leak detection system for all of its 42,000 residents and businesses, which will reduce the costs of operation and reduce its carbon footprint by improving operational efficiency. The automated metering component will provide the Southington Water Department with a timely billing cycle and significantly reduce costs to the Department by reducing meter-reading man hours, reducing vehicle maintenance and repair, and decreasing fuel consumption. The leak detection component will reduce previously-unaccountable water loss by locating and repairing system leaks, which will produce energy use savings by decreasing the run times of water production facilities.

Southington also proposes to replace one of its million-gallon steel drinking water tanks. There are two 1.0 million-gallon steel-constructed water storage tanks (located at 435 Mill Street in the center of Southington and therefore known as the Mill Street tanks), which are a main source of supply for fire protection and potable use for 60% of Southington's residents. The Mill Street #1 Tank is 65 years old, showing signs of coating failure, and is in urgent need of replacement. Additionally, several safety hazards and water quality issues have been identified at this location, including a climbing/ladder system and top platform that are not OSHA compliant and the lack of a mixing system that evenly mixes and maintains residual chlorine. A new concrete tank would greatly reduce maintenance costs over the next 80 years and improve reliability for uninterrupted fire protection and potable water supply.

Lastly, Southington would propose to install 2 new back-up wells at the site of Well #9 and the Patton Brook Well, both of which wells currently indicate that they are experiencing performance issues. These projects include improvements at both existing and proposed well complexes. Well #9 currently pumps at full pump capacity - 2000 gallons-per-minute - directly

to the Southington Water Department distribution system, and the Patton Brook Well pumps at 750 gallons-per-minute directly into the distribution system. Well #9 was developed as a ground water supply in 1989 and the Patton Brook Well, which has been leased from the city of New Britain, Connecticut, since 1979, will be purchased outright by Southington and replaced.

**6. Describe if local support exists for the proposal.**

This proposal is strongly supported by the Town of Southington.

**7. State if the non-Federal interest has the financial ability to provide for the required cost share.**

The Southington Board of Water Commissioners are fully ably to provide the required 25% cost share, which will derive from the department's capital projects account, which derives directly from water usage fees.

**8. Submit a letter or statement of support from each associated non-Federal interest.**

Letter of support are attached to this proposal.

For the above reasons, I ask you to consider the proposed modification to the Town of Southington's Water Resources Development Act of 2007 authorization.

Sincerely,



Robert M. Berkmoes  
Chair  
Board of Water Commissioners  
Town of Southington, Connecticut

# Town of Southington



## Town Council

Michael A. Riccio Chairman  
Cheryl Lounsbury Vice Chairman  
John N. Barry  
Paul W. Champagne  
Tom Lombardi  
Dawn A. Miceli  
Christopher J. Palmieri  
Victoria Triano  
Stephanie A. Urillo

## Town Manager

GARRY BRUMBACK  
(860) 276-6200  
FAX (860) 628-4727

December 2, 2014

U.S. Army Corps of Engineers  
441 G Street N.W.  
Washington, D.C. 20314-1000

**Attn:** CECW-CE (Lisa Kiefel)

Dear Ms. Kiefel:

Pursuant to the Notice published by the U.S. Army Corps of Engineers (USACEW) in the *Federal Register* on August 5, 2014, I write in strong support of the proposed modification by the Town of Southington Water Commissioners to their water supply infrastructure project authorized under Section 219 of Public Law 110-114 (the Water Resources Development Act of 2007) to increase the authorization total from \$9,420,000 to \$16,420,000, to enable Southington to construct 4 additional urgent water supply projects.

The Southington Water Department has been serving residential and commercial customers for more than 125 years, with current supply met by 4.0 million gallons per day (MGD) from wells and 1.2 MGD from surface water. However, Southington is struggling to provide current and future water supply, and will not be able to provide water to its 42,000 residents and businesses unless the community can address contamination in its present water supply, and establish sustainable, expanded water supplies for the future. Three wells have been closed for years due to Superfund contamination caused by other parties and other wellhead protection measures. Moreover, three of Southington's main wells are badly contaminated with iron and manganese, a problem that is fully expected to worsen without remediation.

In addition to the iron and manganese remediation project, Southington must also complete the following projects for which an additional amount of authorization authority is needed:

1. Automated Metering System
2. Mill Street Tank
3. Back-up Well #9
4. Patton Brook Well

I would ask you to review this project carefully for inclusion in the USACE's Annual Report to be issued in February 2015 as a certified project meeting criteria established by Congress.

Thank you.

Very truly yours,

Garry Brumback  
Town Manager

"City of Progress"