



Michael Maniscalco, MPA
Town Manager

August 17, 2021

Tom Ruby
Chairman
Water Pollution Control Authority
1540 Sullivan Avenue
South Windsor, CT 06074

RE: American Rescue Plan Act

Dear Mr. Ruby:

The US Department of the Treasury is administering grant funds through the American Rescue Plan Act (ARPA) to the states, territories, and Tribal governments to carry out critical capital projects directly enabling work, education, and health monitoring. The State of Connecticut is receiving an estimated \$2.6 billion of which \$7,742,660 has been allocated to South Windsor. These funds are available for use through December 31, 2024.

Some of the allowable uses of the money include necessary investments in water, sewer, or broadband infrastructure. I am pleased to inform you that \$2,500,000 has been allocated for capital improvements to the Town's sanitary sewer system. Additional funding may be available; however, the total amount is unknown at this time and is dependent on the budgets of other projects the funds are being used for.

Sincerely,

Michael Maniscalco
Town Manager

c.c. Anthony Manfre, Superintendent of Pollution Control
Patricia Perry, Director of Finance

August 26, 2021

Michael Maniscalco, MPA
South Windsor Town Manager
1540 Sullivan Avenue
South Windsor, CT 06074

RE: American Rescue Plan Act

Dear Mr. Maniscalco:

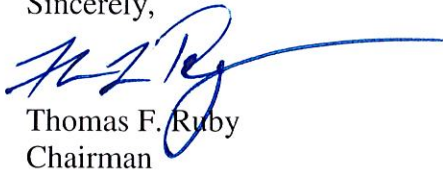
Thank you for your notification letter of August 17, 2021 confirming the allocation of \$2.5 million dollars of federal funds to the South Windsor Water Pollution Control Authority for capital improvements to the Town's sanitary sewer system. I expect that the Authority members will formally accept these funds at the next regularly scheduled meeting on September 7, 2021. As required by our regulations, the funds will initially be placed in the Replacement Reserve Account.

At that meeting I will call upon my colleagues to schedule a special meeting in September to identify and prioritize appropriate projects for the expenditure of the funds, thereby initiating the process to establish individual project accounts. As our capital project plan is well established and includes projected costs, it is my expectation that the projects will be underway during this calendar year.

Should there be additional administrative arrangements regarding project eligibility criteria, accounting, or audit requirements please forward them to Mr. Anthony Manfre, Superintendent of Pollution Control.

On behalf of the Authority members, thank you for your efforts to provide needed resources to modernize and rehabilitate these elements of critical infrastructure.

Sincerely,



Thomas F. Ruby
Chairman

c.c.: Anthony Manfre, Superintendent of Pollution Control

Patricia Perry, Director of Finance

Andrew Paterna, Mayor

Janice Snyder, Council Liaison

Proposed Use of Funds - Priority List

Date: September 27,2021
Budget: \$2,500,000

Priority	Project	Cost Estimate	Estimated Annual Savings	Status	Location	Project Type	Comments
1	Phase IV Part 2 Sewer Rehab.	\$1,100,000		Ready to Bid	Collection System	Phase IV has been broken up into two parts. The WPCA has budgeted for Part 1 in the FY21 budget. Part 2 included sewer pipe lining and manhole rehab.	Phase IV Part 1 has been budgeted for this year. Combining Parts 1 and 2 will have a cost savings if done as one project. Phase IV is bid ready.
2	UV Disinfection	\$1,300,000	\$17,000	Concept	Treatment Plant	Our current disinfection system is 20 yrs/old and due for replacement. There is a projected savings of 70% on energy usage with the new systems.	Replacing the UV Disinfection equipment is still in the conceptual phase. We were planning to replace the equipment in Fiscal Year 2024. This would be a good use of funds that will suppress user rate increases and will have an immediate cost savings with regards to energy use. We are working on a more accurate cost estimate.
3	Clark St PS bypass valve	\$100,000		Active	Clark St PS	A valve replacement on the Clark St FM is necessary to isolate the pump station from flow coming back to the pump station. This will be necessary for the pump station upgrade.	The force main valve for the Clark Street pump station currently does not work. We have received cost estimates to install a new valve without draining the force main (\$100,000). A valve for the force main will be needed for the pump station upgrade and will be vital if any pump station failures occur before hand.
\$2,500,000							
	Odor Control	\$1,200,000		Concept	Treatment Plant	We have begun an odor control study. Depending on the results there may be a recommendation for improvements to remove odors. The estimate reflects a full demolition and reconstruction of a carbon filter and tank covers.	
	Install Fire Alarm Panels in Pump Stations	\$50,000		Active	Pump Stations	Fire detection runs through the SCADA system and alerts operators. Installing a fire alarm will notify Dispatch directly.	Fire detection runs through the SCADA system and alerts operators. Installing a fire alarm will notify Dispatch directly.

Priority	Project	Cost Estimate	Estimated Annual Savings	Status	Location	Project Type	Comments
	Sanitary Sewer Evaluation Study	\$1,000,000		Concept	Collection System	The last sewer was performed in 2015. The study identifies areas of weakness within the sewer system such as deteriorating pipes, pipe breaks, inflow/infiltration, etc.	
	SCADA Radio System Upgrade	\$80,000		Active	Pump Stations	Current equipment is no longer supported and in need of replacement.	
	Woodside Drive Sewer	\$70,000	\$840 in manhours	Concept	Collection System	130' of the sewer line pitches the wrong way. Considerable maintenance time is spent preventing build up of solids. One home is disrupted during pipe cleaning ops.	
	Clark St FM Evaluation	\$35,000		Concept	Clark St PS	Our consulting engineer recommended monitoring the condition of the FM pipe every 5 yrs or so.	The condition of the Clark Street force main has been a concern in the past. As a result of an initial evaluation the consulting engineer has recommended a continuation of the monitoring efforts. The proposed evaluation would be a more in depth look at the pipes structural integrity. This project was scheduled for FY 2024.
	Quarry Brook PS Upgrade	\$1,400,000		Concept	Quarry Brook PS	Quarry Brook is scheduled to be upgraded FY26.	
	Primary Sludge Line Replacement - Primary to Thickner	\$150,000		Concept	Treatment Plant	Grease has solidified around the interior of the pipe reducing the diameter of the pipe. If the pipe is plugged we will not be able to process sludge.	
	Primary Sludge Line Replacement - Thickner to Storage	\$50,000		Concept	Treatment Plant	Grease has solidified around the interior of the pipe reducing the diameter of the pipe. If the pipe is plugged we will not be able to process sludge.	
	Work Order Software	\$20,000		Active	Treatment Plant	Current work order system is not efficient and is dated.	