

CROMWELL FIRE DISTRICT  
Water Operations Committee Meeting  
Tuesday February 27,2024  
5:30 PM  
103 Coles Road  
Cromwell, CT 06416

Telephone: 860-635-4420  
Facsimile: 860-632-0413

Commissioner's Office  
Fire District/Water Division

I. Call to Order

II. Approval of Agenda

III. Public Comment

IV. New Business

- A. 2024-2025 Water Division Budget
- B. 2023 Consumer Confidence Report
- C. PFAS
- D. Service Line Inventory

V. Commissioners Comments

VI. Adjournment

# CROMWELL FIRE DISTRICT

## WATER DIVISION

1 West Street  
Cromwell, CT 06416

Telephone: (860) 635 4420  
Facsimile: (860) 632-0413

Water Division

2/22/2024

### Water Operations Meeting Report for February 27, 2024

1. 2024 Budget preparation and Capital items.

a. **Vacuum/ Valve Exerciser/ Vacuum Excavation trailer:**

This piece of equipment will replace our existing Vac trailer that is used for: Vacuuming gate boxes and curb boxes, this allows us to access and operate valves with no dirt or debris blocking the access. The other tasks that this piece of equipment has become a necessity for are **Annual Water main flushing program, Annual leak detection surveys, Annual gate valve exercising program.** The Water Division has thousands upon thousands of gate valves and curb valves within our Distribution system. It comes equipped with a tablet for operation and tracking valve locations. Exercising all these valves by hand has become difficult and extremely time consuming, not to mention a liability with risk of injury. The current Vac trailer is rotted out and in need of expensive repairs. The new trailer offers a lot more options enabling us to perform more duties.

b. **Treatment Feasibility study**

This study will be performed to aid in future planning of our Treatment facilities. It will look at the upcoming CT Department of Public Health (DPH) regulations and emerging contaminants. It will identify possible treatment options including Filtration plants That can filter Iron and manganese, PFAS if Necessary. Two of our four production wells have a higher content of Iron and Manganese. This limits the runtime for the two wells. This study will also look at property and ideal locations to build any future treatment facility. They will study our water quality history to help identify our needs.

New regulations and standards from both state and federal regulators will soon identify if we are in need of additional treatment. There will be opportunities for low interest loans and grant funding.

**c. Replacement truck Ford F350 Utility body**

This truck would replace either the 2005 Ford Ranger or the 2010 Dodge 4500 utility truck. Both vehicles are rotting out and have high mileage. I have had discussions with the Mechanic regarding the condition of both.

**d. Chlorine pumps**

The existing Chlorine injection pumps are in need of an upgrade. The diaphragm style pumps that have been operating for the past 35 years have been causing issues with leaks. The diaphragm dosing is a slight hammer to the system which has been damaging isolation valves causing us to remove the TEEs and run only one pump. The new Peristaltic style pumps do not cause water hammer and will enable us to reinstall the TEEs and Valves. This will eliminate the dangers and losses of Chlorine and Chlorine gases.

**e. Generator Installations**

This is a DPH requirement. DPH requires that we have our booster pump stations on Standby Power. The only booster station currently on Standby Power is the Landon. Sanford Ln. Sovereign Ridge and Evergreen Adult are not.

**f. VM 8-10 Pipe Locator**

This is to replace an aging locator that is becoming obsolete.

**g. Water Garage Site Lighting:**

The site lighting in the parking lot is nonexistent. There are only lights on the building. Corners were cut during design and construction, and this was one way to save money on the project. This addition was recommended by Commissioner Darius. I believe it is a great enhancement to both security and safety.

**h. Battery powered Demolition saws.**

The purchase of additional Demolition saws that are battery powered allow us to cut pipes and bolts indoors or in manholes and meter pits. It eliminates exhaust fumes and is becoming the new normal in the industry. We recently required the use of

this type of saw twice within one week and borrowed both the 14" and 9" and they both performed well and allowed us to work in both Well#1 and The Berlin interconnection.

i. **SCADA :**

Within our SCADA system we have the same components in each of the ten Locations. The purchase of the requested equipment allows us for minimal downtime for repairs having this equipment on hand. It can be weeks, perhaps months for delivery of these components.

j. **Door Access/ Camera Systems**

Waiting on a number from Justin Lonergan.

2. 2023 Consumer Confidence Report

I have begun working on the 2023 CCR. This Report includes all the Contaminants detected within the 2023 calendar year. It also includes the required consumer information regarding all the contaminants found.

3. PFAS results,

The District is required to include all PFAS results along with the remaining Unregulated Contaminants within the UCMR 5 testing results within the **2023 Consumer Confidence Report**. This is the Districts **required** method of delivery of the information to the consumers. The CCR is scheduled to be made available to the public before the end of March. We will also have all the results posted separately on our website.

4. (DPH Required) Service Line Inventory

The Water Division Staff continues to work diligently on the inventory. This involves staff entering data on a spreadsheet at their computer workstation. This data comes from a wide array of sources. It is time-consuming and extremely important to include the proper information. Staff is also out in the field collecting data from our 4200 service connections.

Joseph Palmieri  
Water Operations Manager  
Water Division



**Cromwell Fire District**  
**Water Capital Fund WORKSHEET**  
**2024 - 2025**  
**As of December 31, 2023**

Description	Account Number	Budget	tal	
		2023-2024	2024-2025	Request
<b>Closed Projects &amp; Uncommitted Fund Balance</b>		<b>36,000</b>		
Permitting for interconnection (estimated a little high)	35603-7130	40,000.00		
West Street Side Street WM improvements	35603-7310	#####		0
Used GPS equipment	35709-5740	7,500.00		0
Combined Water Rate Study Water Audit (EP)	35722-7290	60,000.00		0
Butterfly Valve and Accuator for Berlin interconnection	35736-5740	8,000.00		0
Pre- Engineering study for Interconnection Project	35737-7310			
Engineering for interconnection project	35737-7310			
Water GIS update.Phase 2 of Lead Copper data base(EP)	35741-5730	34,000.00		
Engineering for interconnection project	35753-7290	#####		
SCADA Phase 3	35755-7310	15,500.00		0
ADR Security alarm panels Chem feed,Sovereign,Evergreen	35775-5740	6,000.00		0
VM-810 Pipe Locator	35776-5740			
Gate opener and fence at Chem feed	35780-5775	26,000.00		0
Job Truck (bonds)	35789-5710			0
Switch / UPS Redundancy (50%)	35827-5700			?
Meters	35904-5720			100,000
Water GIS update Phase 1 of Lead and Copper data base	35910-5740			
Hydrants	35929-5722			0
Meters	35937-5720	#####		?
SCADA System	35958-5740			0
Balance (bonds)	35970-5700			
<b>Active Projects</b>		<b>622,700</b>		
<b>Total Water Capital Projects</b>		<b>658,700</b>		
<b>New Projects</b>		<b>Priority</b>	<b>Requirement</b>	
Vac Valve Excersizer /Vac ExcavationTrailer	1			113,000
Treatment Feasability Study (EP)	1			61,600
Replacement Truck Ford F350	2			72,000
Chlorine pumps	1			7500
Generator installation at Soverign Ridge station	1			29,680
Generator installation at Sanford Ln. station	1			31,620
Generator installation at Evergreen Adult station	1			34,800
VM 810 locator	1			4100
Water Garage Site lighting	2			44,600
Battery powered demolition saws	1			5500
SCADA	1			2,375
Camera systems (Justin)	1			
			<b>TOTAL</b>	<b>406775</b>

**Cromwell Fire District**  
**Water Division Enterprise Fund - Budget Report - Requested**  
**2024 - 2025**

2023-2024 Actual as of December 31, 2023 (6 months)											
Account Number	Description	Actual 22-23 (pre-audit)	FY24 Modified Budget	FY 24 YTD Actual	FY 23 6/30 Forecast	FY 24 Department Request	Change from FY23 Budget	% Variance			
05	Water Fund										
05 4140	Interest Income On Assessm	9,998	2,000	2,428			(2,000)	-100.00%			
05 4150	Interest on Receivables	41,074	40,000	13,655			(40,000)	-100.00%			
05 4200	State Grants	-	-	-			-	#DIV/0!			
05 4300	Interest Income	680	747	20,444			(747)	-100.00%			
05 4400	Metered Sales To General F	2,360,031	2,340,384	678,278			(2,340,384)	-100.00%			
05 4402	Sales to Other Districts	78,135	92,250	79,264			(92,250)	-100.00%			
05 4405	Seasonal & Hydrant Sales	148,406	138,300	48,581			(138,300)	-100.00%			
05 4410	Miscellaneous Service Reve	49,529	36,500	41,845			(36,500)	-100.00%			
05 4411	Connection Charges/Inspec	55,596	40,300	26,034			(40,300)	-100.00%			
05 4900	Miscellaneous Non-operatin	6,911	5,000	40,301			(5,000)	-100.00%			
05 4930	Employee Insurance Contrib	12,662	13,860	6,372			(13,860)	-100.00%			

No assurance is provided on these financial statements.

Cromwell Fire District										
Water Division Enterprise Fund - Budget Report - Requested										
2024 - 2025										
2023-2024 Actual as of December 31, 2023 (6 months)										
Account Number	Description	Actual 22-23 (pre-audit)	FY24 Modified Budget	FY 24 YTD Actual	FY 23 6/30 Forecast	FY 24 Department Request	Change from FY23 Budget	% Variance		
05 4935	Development Analysis Reint	-	20,000	-			(20,000)	-100.00%		
05 4990	Administrative Costs-Other	6,000	6,000	6,000			(6,000)	-100.00%		
05 4995	Operating Transfers In	-	-	-			-	#DIV/0!		
05 4990	Transfer from Fund Balance	-	180,000	-			(180,000)	-100.00%		
	<b>TOTAL REVENUE</b>	<b>2,769,023</b>	<b>2,915,341</b>	<b>963,201</b>	<b>-</b>	<b>-</b>	<b>(2,915,341)</b>	<b>-100.00%</b>		
05901	Payroll									
05901 5105	TOTAL PAYROLL	645,563	672,222	331,141	-	756,000	83,778	12.46%		
	Added 1 Maint 3 and 3% across the board									
05902	Power and Pumping									
05902 5434	Maint. of Structures & Impr	13,629	12,000	-	-	12,000	-	0.00%		
05902 5435	Maint. of Pumping Equipme	17,626	37,250	9,923	-	31,000	(6,250)	-16.78%		
05902 5620	Power	330,051	505,230	114,710	-	500,000	(5,230)	-1.04%		
05902 5800	Other Expenditures	5,605	15,500	-	-	15,500	-	0.00%		
	<b>TOTAL POWER AND PUM</b>	<b>366,911</b>	<b>569,980</b>	<b>124,633</b>	<b>-</b>	<b>558,500</b>	<b>(11,480)</b>	<b>-2.01%</b>		
05903	Treatment									

No assurance is provided on these financial statements.





**Cromwell Fire District**  
**Water Division Enterprise Fund - Budget Report - Requested**  
**2024 - 2025**

**2023-2024 Actual as of December 31, 2023 (6 months)**

Account Number	Description	Actual 22-23 (pre-audit)	FY24 Modified Budget	FY 24 YTD Actual	6/30 Forecast	FY 24 Department Request	Change from FY23 Budget	% Variance
	TOTAL TRANSMISSION &	68,846	143,500	16,513	3,000	120,500	(23,000)	-16.03%

**Cromwell Fire District**  
**Water Division Enterprise Fund - Budget Report - Requested**  
**2024 - 2025**

**2023-2024 Actual as of December 31, 2023 (6 months)**

Account Number	Description	Actual 22-23 (pre-audit)	FY24 Modified Budget	FY 24 YTD Actual	6/30 Forecast	FY 24 Department Request	Change from FY23 Budget	% Variance
05908	Other Operating Expenses							
05908 5621	Utilities	10,662	11,500	4,175	-	12,650	1,150	10.00%
05908 5800	Other Expenditures	1,556	4,000	1,405	-	4,000	-	0.00%
05908 5802	Uniforms	7,994	8,000	2,794	-	9,000	1,000	12.50%
05908 5870	Dues & Training	9,299	12,000	4,082	-	12,000	-	0.00%
05908 5880	Truck & Garage Expense	43,431	40,000	23,438		45,000	5,000	12.50%
	<b>TOTAL OTHER OPERATING</b>	<b>72,941</b>	<b>75,500</b>	<b>35,894</b>	<b>-</b>	<b>82,650</b>	<b>7,150</b>	<b>9.47%</b>
05907	General Administration							
05907 5200	Payroll Tax Expense	47,941	47,660	24,528			(47,660)	-100.00%
05907 5210	Unemployment Compensation	-	1,000	-			(1,000)	-100.00%
05907 5230	Worker's Compensation Ins	14,678	16,060	-			(16,060)	-100.00%
05907 5240	Dental Insurance	8,661	10,458	4,092			(10,458)	-100.00%
05907 5260	Medical Insurance	174,310	159,500	81,010			(159,500)	-100.00%
05907 5270	Life Insurance	2,369	2,310	1,276			(2,310)	-100.00%

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