



Montague Fall or Winter Special Town Meeting SPECIAL ARTICLE REQUEST – CAPITAL EXPENSE

This form is intended for use with capital article submissions ≥ \$25,000 with a lifespan of 5+ years. For major building projects, please consult the Town Administrator.

**Budget Year
FY 23**

Please complete this form in its entirety! Initial Submission due November 1

Mark "X" as applicable: ___ Fall STM or Winter STM

Department:	CWF	Submitted by:	Chelsey Little
Item/Project Cost:	\$2,000,000	Date Prepared:	11/04/2022
Item/Project Title:	Screw Pump Replacement		

Proposed Article Wording:

To see if the Town will vote to raise and appropriate, transfer from available funds, borrow, or otherwise provide the sum of **\$2,000,000**, or any other amount, for the purpose of **replacing the facility screw pumps**, including any and all incidental and related costs, or pass any vote or votes in relation thereto.

Detailed Description for Background Materials: *(Provide a full description of the item or service. Use attachments as needed.)*

Internalift Screw Pump Replacement
Wet Well Rehab
HVAC Replacement/Install
Controls Replacement
Bypass Pumping
Contingency

Enter response

Have you received an estimate as a basis for cost? (yes/no)

yes

- *If yes, please attach estimate*

Are grant or other funds available to offset cost? (yes/no)

yes

Is there a lease option for this expense? (yes/no)

no

Will this item or project replace old equipment? (yes/no)

yes

If replacement, estimate surplus value:

Potential scrap value of metal

Will it create other ongoing costs or savings? (yes/no)

no

Why is it essential that the Town makes this investment now?

The facility's current Internalift Screw Pumps were placed into service around 2002. The life expectancy for these units are 20+/- years. Last year, the facility had to patch two holes in the pumps and is concerned about their remaining effective operation. Delaying the replacement of these pumps could lead to a catastrophic failure, requiring emergency response action and costly extended bypass pumping. (These pumps pump approximately 1 million gallons per day-during dry weather- from the lower end of the facility to the upper end, which is located above grade and cannot be gravity fed.)

The facility plans on staying with the Archimedes style pumps, as they are more efficient, cost relative to, and require less overall maintenance than other types of pumps.

Update 12/1/2021: Pumps are experiencing mechanical and control failure, currently running in a bypass of the bypass mode to continue operations and cannot be operated as such for extended periods of time. Recent soft starter parts required are in minimal supply, recently having to order from Europe and ship with excessive shipping delays and costs.

Update: 3/14/2022: After discussions with Wright-Pierce Engineering firm, it is recommended to use carbon steel, as the wastewater seen at the facility tends to be grittier, and more prone to abrasion, where carbon steel can handle better than stainless.

Update 11/01/2022: After reviewing the complexity of the project needs, and speaking with engineering, it is in the best interest of the project to use a general contractor to complete the full scope of the work. Although the cost of the project has changed, the facility hopes to utilize the USDA RD grant/loan program to make best use of the \$800,000 already appropriated by the Selectboard for the project. (See comments below.)

Relative Priority

Your assessment of the how important this is to the Town at the present time.

Critical Importance



Highly Important

Moderately Important

If submitting more than one request, where does this stand as a priority relative to the others you are submitting?

First



Second

Third

Fourth or Lower

Comments:

The goal is to apply for USDA RD Grant/Loan program, where depending on the percentage of grant awarded for the project (35-70%), already allocated ARPA funds of \$800,000 would be used to help offset the loan portion. The program requires the full funding of the project be approved by Town Meeting before proceeding, and the percentage will not be known until further into the process.

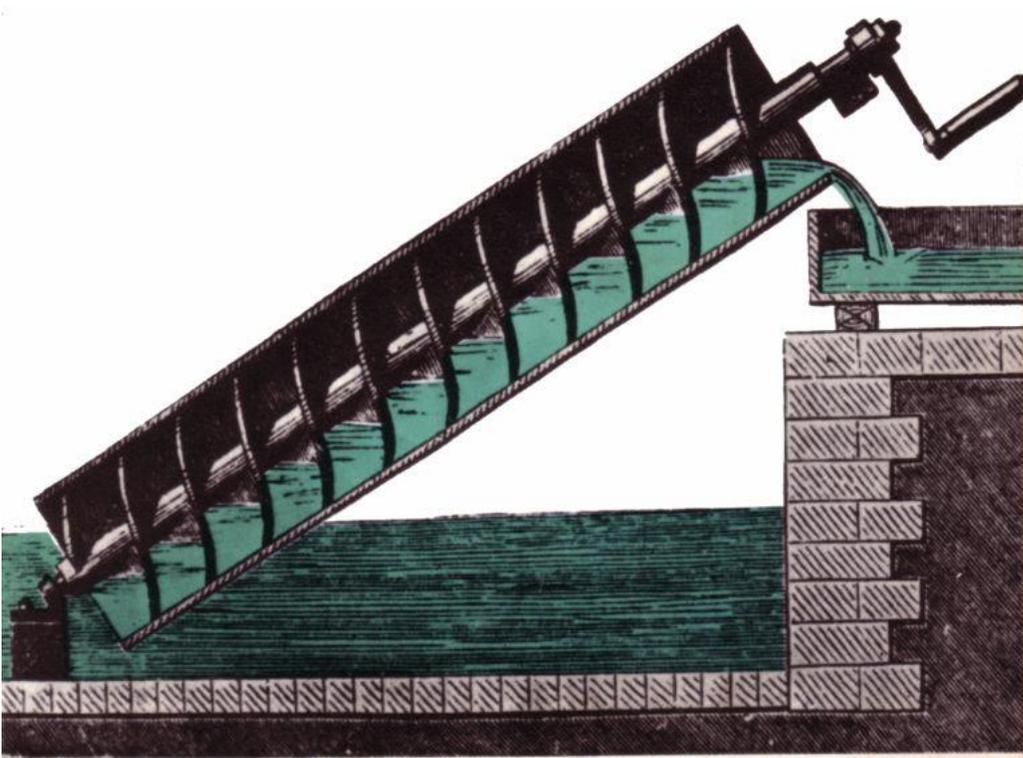
Final recommendation of Capital Improvements Committee:

Support

Not Support

Comments on Recommendation:

Photos/Diagrams





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**Budget Year
FY 23**

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Mark "X" as applicable: Fall STM or Winter STM

Department:	<u>CWF</u>	Submitted by:	<u>Chelsey Little</u>
Item/Project Cost:	<u>\$68,000</u>	Date Prepared:	<u>11/01/2022</u>
Item/Project Title:	<u>Replacement of Utility Truck w/ EV Transit Van</u>		

Proposed Article Wording:

To see if the Town will vote to raise and appropriate, transfer from available funds, borrow, or otherwise provide the sum of **\$68,000**, or any other amount, for the purpose of **replacing the 2008 facility utility truck with a transit van, favoring EV or hybrid if available**, including any and all incidental and related costs, or pass any vote or votes in relation thereto.

Detailed Description for Background Materials: *(Provide a full description of the item or service. Use attachments as needed.)*

EV Transit Van: \$65,000
Charging station: \$3,000

Enter response

Have you received an estimate as a basis for cost? (yes/no)

yes

- If yes, please attach estimate

Are grant or other funds available to offset cost? (yes/no)

no

Is there a lease option for this expense? (yes/no)

yes

Will this item or project replace old equipment? (yes/no)

yes

If replacement, estimate surplus value:

~\$2000

Will it create other ongoing costs or savings? (yes/no)

savings in fuel consumption

Why is it essential that the Town makes this investment now?

This is to replace the 2008 utility truck with a more environmentally friendly option for conducting pump station rounds, where staff can house critical equipment and spare parts to maintain the 8 stations and 4 grinder pumps.

Relative Priority

Your assessment of the how important this is to the Town at the present time.

Critical Importance

Highly Important



Moderately Important

If submitting more than one request, where does this stand as a priority relative to the others you are submitting?

First



Second

Third

Fourth or Lower

Comments:

Requesting use of retained earnings

Final recommendation of Capital Improvements Committee:

Support

Not Support

Comments on Recommendation:

Photos/Diagrams

Old 2008 Utility Truck



New EV Transit Van





Annual Town Meeting

SPECIAL ARTICLE REQUEST – CAPITAL EXPENSE

Budget Year
FY 24

This form is intended for use with capital article submissions \geq \$25,000 with a lifespan of 5+ years. For major building projects, please consult the Town Administrator.

Please complete this form in its entirety! Initial Submission due November 1

Department: CWF Submitted by: Chelsey Little

Item/Project Cost: \$250,000 Date Prepared: 11/01/2022

Item/Project Title: Septage Receiving Station Upgrade

Proposed Article Wording:

To see if the Town will vote to raise and appropriate, transfer from available funds, borrow, or otherwise provide the sum of **\$250,000**, or any other amount, for the purpose of **upgrading the current septage station** including any and all incidental and related costs, or pass any vote or votes in relation thereto.

Detailed Description for Background Materials: *(Provide a full description of the item or service. Use attachments as needed.)*

Septage Receiving Station: \$210,000 (see quotes section)
Dry Pit Pump, Valve, Pipe Replacement: ~\$30,000
Crane Rental?: ~\$2,000
Conduit Work: ~\$8,000

Enter response

Have you received an estimate as a basis for cost? (yes/no)

yes

- If yes, please attach estimate

Are grant or other funds available to offset cost? (yes/no)

no

Is there a lease option for this expense? (yes/no)

no

Will this item or project replace old equipment? (yes/no)

yes

If replacement, estimate surplus value:

No value, outdated equipment

Will it create other ongoing costs or savings? (yes/no)

no

Why is it essential that the Town makes this investment now?

The facility generates a large percentage of revenue from septage services and is past due for an upgrade. If the current system fails, (which it did temporarily last year) there would be a drastic loss in revenue, which would in turn increase sewer user rates. The current station is not set up to monitor pH as required per MGL, and does not have an automated system for accurately tracking and monitoring haulers and their discharges. With an Industrial Pretreatment program audited by EPA, and recent emerging concerns with chemicals such as PFAS, the ability to accurately monitor and sample/test haulers and their loads is important to protect the quality of sludge the facility produces.

Relative Priority

Your assessment of the how important this is to the Town at the present time.

Critical Importance

Highly Important



Moderately Important

If submitting more than one request, where does this stand as a priority relative to the others you are submitting?

First



Second

Third

Fourth or Lower

Comments:

Requesting use of retained earnings



Final recommendation of Capital Improvements Committee:

Support

Not Support

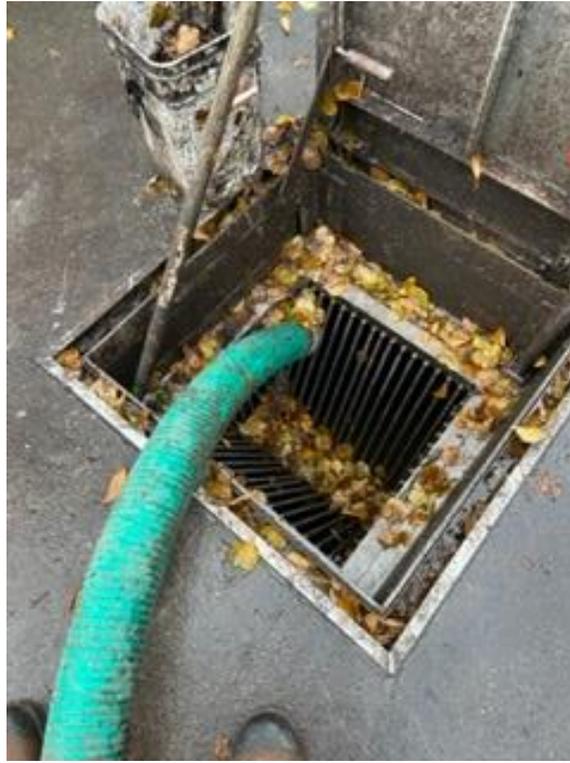
Comments on Recommendation:

[Empty text box for comments on recommendation]

Supporting Photos/Diagrams

Current Receiving Station

Manual Screen Only

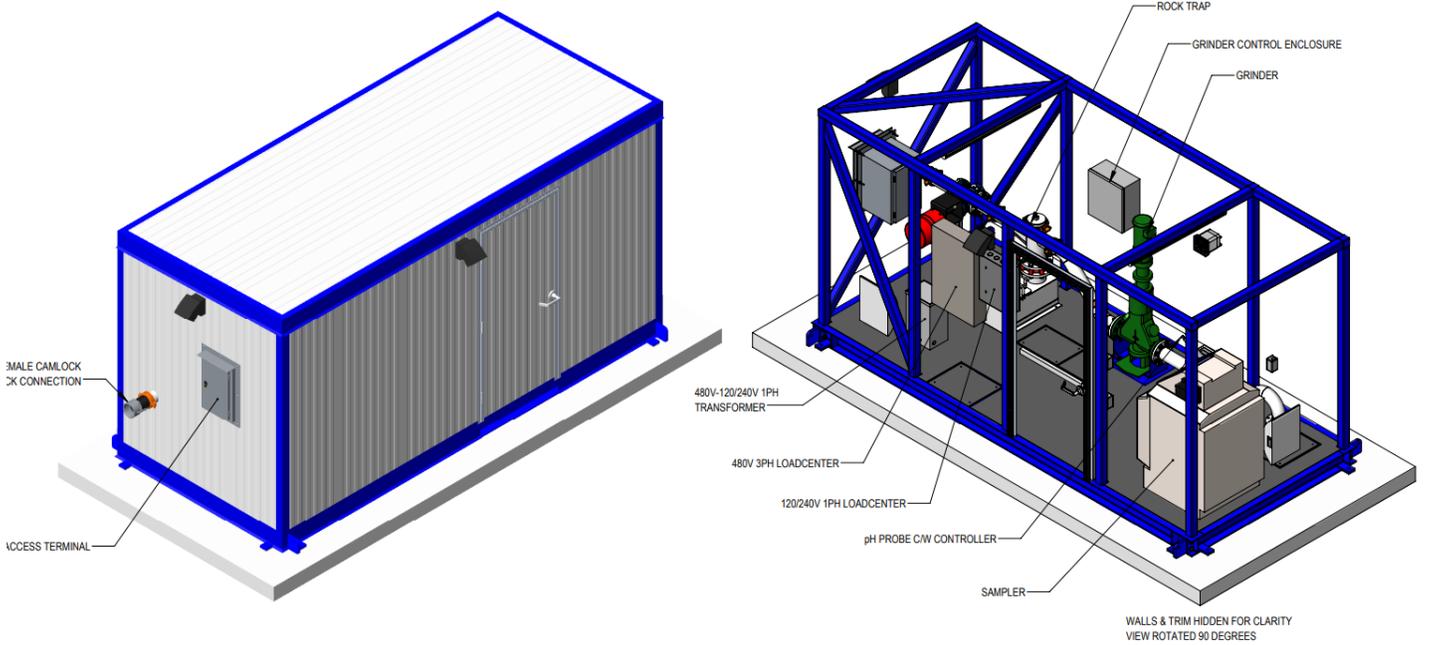


Current Dry Pit

Diaphragm Pump, Check Valves



New Proposed Station





Flowpoint Environmental Systems Inc.
 191 University Blvd #467
 Denver, CO 80206-4613
 USA
 Phone: (877) 655-5585 Fax: (888) 655-5588
 Email: sales@flowpointsystems.com

PRICE QUOTATION

Quotation Number: 0321-S-0282
 Quotation Date: 2022-09-23
Expiration Date: 2022-11-30
 Ship Via: INCLUDED
 FOB: FOB FACTORY
 Sales Person: JAY MORRISON
 Terms: NET 30 DAYS

To: TOWN OF MONTAGUE
 1 AVENUE A
 MONTAGUE, MA 01376
 Attn:CHELSEY LITTLE

Line	Part No	Description	Quantity	Rate	Extended
1	KITIMAT SRS-4"	4" SEWAGE GENERAL INCLUDES:" 106" X 202" X 102" TALL INSULATED ENCLOSURE THAT C/W 4" ACTUATED PLUG VALVE, 4" MAGNETIC FLOW METER, 316SS PIPING,(1) INTERIOR AND (1) EXTERIOR LED LIGHTING, AND (2) 1500 WATT HEATERS.	1.00	-	-
2	CONTROLS-TW-AL-PR	ACCESS TERMINAL C/W PRINTER 20" WIDE X 22" TALL X 16" DEEP NEMA 3R POWDERCOATED ALUMINUM INCLUDES ALLEN BRADLEY PLC AND FLOWPOINT STAINLESS STEEL KEYPAD THROUGH WALL MOUNT	1.00	-	-
3	ROCK TRAP-4"	4" ROCK TRAP ASSEMBLY	1.00	-	-
4	INLINE GRINDER-4"	INTEGRATED INLINE GRINDER AND CONTROLS PACKAGE-4"	1.00	-	-
5	PH-RETRACTABLE	ONLINE PH ANALYTICAL CONTROL PACKAGE	1.00	-	-
6	FREIGHT-US	FREIGHT-US	1.00	-	-
7	ONSITE STARTUP	ONE DAY ONSITE STARTUP	1.00	-	-
ALL PRICES ARE IN US DOLLARS				Quotation Total:	\$198,627.96

This is a quotation on the goods named, and is subject to the following conditions:

- Taxes are not included.
- All Shop Drawing Submittals and O&M Manuals are in Electronic Form (PDF) only. Hard copies, binding, and printing costs are by others
- Payment Terms: 20% on approval of shop drawings, 80% on delivery of goods.
- FOB Factory means the Owner is responsible for the station during freight (including, but not limited to any damage to unit during freight and all shipping charges)
- Start Up services require: 1. Minimum 3 weeks notice to book 2. Completion of Start-up readiness checklist.

In lieu of a formal purchase order commitment, to accept this quotation as your purchase order please sign below.

 Name Position

 Signature Date



Annual Town Meeting

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Department: CWF Submitted by: Chelsey Little

Item/Project Cost: \$25,000 Date Prepared: 11/01/2022

Item/Project Title: Facility RTV w/Plow and Salt Spreader

Proposed Article Wording:

To see if the town will vote to raise and appropriate, transfer from available funds, borrow, or otherwise provide the sum of **\$25,000** or any other amount for the purpose of purchasing a **Rough Terrain Vehicle (RTV) w/ Plow and Sander Attachments**, or pass any vote or votes in relation thereto.

Detailed Description for Background Materials: *(Provide a full description of the item or service. Use attachments as needed.)*

John Deer Gator Work Series (option 1)
Kubota Diesel RTV (option 2)

Enter response

Have you received an estimate as a basis for cost? (yes/no)

Not official/online only

- *If yes, please attach estimate*

Are grant or other funds available to offset cost? (yes/no)

no

Is there a lease option for this expense? (yes/no)

yes

Will this item or project replace old equipment? (yes/no)

yes

If replacement, estimate surplus value:

\$0

Will it create other ongoing costs or savings? (yes/no)

no

Why is it essential that the Town makes this investment now?

The facility is split between two buildings, requiring the moving of parts/supplies/equipment etc back and forth between the admin end and the operations end. (Approx 900+ft) A golf cart was used to help staff move these items but has since become inefficient and recently experienced an electrical fire in the components. A utility vehicle would provide greater storage and transport ability in order to facilitate the many projects and daily operations of the facility.

The plow and sander attachments would assist in plowing and maintaining the many feet of sidewalks, driveways, walkways, etc that are at the facility.

Relative Priority

Your assessment of how important this is to the Town at the present time.

Critical Importance

Highly Important

Moderately Important



If submitting more than one request, where does this stand as a priority relative to the others you are submitting?

First

Second

Third

Fourth or Lower

Comments:

Staff currently must use a loader, or a small dolly, to physically walk parts and equipment to the other end of the facility, causing delays in productivity. This equipment was already a delayed request from last year due to other priorities.



Final recommendation of Capital Improvements Committee:

Support

Not Support

Comments on Recommendation:

Photos/Diagrams

Current Golf Cart



Satellite Image of Facility



John Deere Gator



Kubota RTV

