

MEMO

TO: CHESTER BOARD OF SELECTMAN

DATE: 2/16/2022

FROM: CHESTER WPCA

RE: WPCA's REQUEST FOR FIRST ROUND ARPA FUNDS ALLOCATION

This memo updates WPCA's October 26,2021 and January 11,2022 requests to the Board of Selectmen for the allocation of first round ARPA funds.

Estimated cost for the (5) projects, including incurred costs to date, and 20% contingency is \$98,478

ARPA COMMITTEE REQUEST FOR PROJECT PRIORITIES

As requested WPCA is submitting its priority order for the requested projects. All these projects are ARPA eligible and important to WPCA's operation of the Town's sanitary system. The opportunity to implement these projects using Federal grant funds is consistent with Chester's obligation for compliance with clean water standards and essential to the economic vitality of the village center. Two projects will require Inland Wetland Agency approval. The emergency generator repairs are complete, a CIRMA's insurance claim submitted, and partial payment received. WPCA is waiting for CIRMA's decision on final deductible costs for rental of portable standby generator.

SUMMARY OF PROJECT COST ESTIMATES

Project costs are based on contractors' estimates, reviewed by NL Jacobson Engineering. Pump station emergency generator repairs and transfer switch quotes prepared by GDL Generator Services LLC. To date the WPCA has incurred costs for engineering advice, sewer pipe video investigations and a portion of the insurance claim deductibles. Known costs to date are noted in each project estimate.

Contractors' quotes have price term limits which might require resubmission. N.L. Jacobson solicited estimates from contractors who are qualified to do sanitary sewer work. Estimates have been increased by 20% for engineering assistance, probable future price increases, probability of environmental hazard costs, contingencies, and incidentals. Chester's bidding criteria for services will be followed. For public construction projects contractors wages should be paid at prevailing rates.

PROJECT #1 Sewer Line Behind 45-51 Main Street, Colt House, adjacent to Pattaconk Brook

- (A) Replace 60 feet of 8-inch sanitary sewer line, \$24,935
- (B) Rebuild manhole # 20, re-connect laterals, \$10,525
- (C) Incurred to date for N L Jacobson for \$875
- (D) Incurred to date for Wind River Environmental \$2,343

Note: Inland Wetlands Permit Required

COST ESTIMATE: \$38,678

PROJECT #2 Pump Station Emergency Generator Repair Completed 1/18/22

On November 4th the emergency generator at the pump station was damaged by nesting rodents that ate wiring. A portable backup generator was necessary while awaiting cost estimate and insurance review. GDL Generator Services quoted \$6,870 for the emergency repair and monthly rental charge for standby portable of \$2,400. GDL's quote was submitted to CIRMA and the claim approved. The wait time to get Cummins Generator parts pushed the repair date out to January 18th when the job was completed. On February 8th CIRMA issued payment of \$5,870 with a \$1,000 deductible. The rental cost for November 4, 2021 to January 18, 2022 is \$6,480 and the load bank test to verify repairs is \$1,250. Both invoices have been submitted to CIRMA for payment and determination of deductible.

COST ESTIMATE: \$1,000 plus unknown CIRMA deductible?

PROJECT #3 Water Street, Pump Station Sewer Pipe Replacement

N.L. Jacobson recommends entire length of pipe, (ductile iron and PVC) approximately 338 feet, from street manhole to pumps, be cleaned and the pipelined rather than excavation trenching through the 4 Water Street parking lot. This is a specialized process that will be less disruptive to the owner's use of the parking lot and avoids excavation /pipe replacement.

(A) Sewer pipe cleaning and lining for 338 feet, \$42,000

(B) Incurred cost to date for NL Jacobson, \$1,485

Note: Inland Wetland Permit Required

COST ESTIMATE: \$43,485

PROJECT #4 Install Pump Station Emergency Generator Transfer Switch

The purpose of installing the transfer switch on the emergency generator is to facilitate safe and fast connection of a portable generator in the event of failure of primary electrical Eversource service. Deep River's WPCA uses this back up equipment on their pumps and recommended this switch be added for pump reliability.

(A) Quoted cost to install equipment is \$13,210, submitted by Top Notch Electrical

(B) Incurred cost to date for Top Notch Electrical, \$1,105

COST ESTIMATE: \$ 14,315

Project #5 Revisions to 2006 Sewer Area Map

Update 2006 sewer system area map to show the sewer line connection to Deep River's treatment facility and the discontinued Maple Street parking lot septic system and force main system. A new map prepared in digital GIS format for web site posting will enable parcel layer identification and data attachment for tracking new service connections, as built drawings, service records and use fee payments. Once the new GIS Sewer Area Map is complete WPCA could begin input of data scans and record attachments cost in future budget years. Map preparation by N.L. Jacobson.

COST ESTIMATE: \$1,000

WPCA PROJECT COST ESTIMATE SUMMARY

Project # 1 - 45-51 Main Street sewer line & manhole replacement @ (20%)	\$38,678
Project #2 -Repair emergency generator, insurance payment deductible ?	\$1,000
Project #3 - Parking Lot 4 Water Street reline sewer line 338 feet @ (20%)	\$43,485
Project #4 - Pump station emergency generator transfer switch installation:	\$14,315
Project #5 - Revise 2006 Sewer Area Map, update and GIS format :	<u>\$1,000</u>
	\$98,478 say \$98,480

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