



## AGENDA ITEM EXECUTIVE SUMMARY

Agenda Item:	Sanitary Lift Station Pump Purchase and Repairs		
Presenter & Title:	Bob VanGyseghem, Superintendent of Water and Wastewater.		
Date:	March 1, 2021		
<b>Please Check Appropriate Box:</b>			
<input checked="" type="checkbox"/>	Committee of the Whole Meeting	<input type="checkbox"/>	Special Committee of the Whole Meeting
<input checked="" type="checkbox"/>	City Council Meeting	<input type="checkbox"/>	Special City Council Meeting
<input type="checkbox"/>	Public Hearing	<input type="checkbox"/>	Other -
Associated Strategic Plan Goal/Objective: ES-III			
Estimated Cost: \$75,658.00	Budgeted? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Other Funding? <input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>Executive Summary:</b>			
<p>The Fiscal Year 2021 Budget contains funds for the repair and replacement of sanitary lift station pumps. The lift station for the Fisher Farms Subdivision, Geneva East Subdivision, and Kautz Road each has had a pump fail and were sent to the manufacturer for diagnosis. At the Geneva East station staff is recommending two new pumps be purchased. The cost to repair the failed pump is roughly 75% of a new pump. Purchasing two new pumps will provide the station with a spare pump which will provide protection for the station due to the long lead times for new and repaired pumps industry wide. At the Fisher Farms station, staff is recommending the failed pump be repaired and a new pump be purchased providing this station with a spare pump. Both of the pumps at Kautz Road station are original from 1998 and have been serviced several times over the years so staff is recommending two new pumps be purchased providing the station with a spare pump. A memorandum from Dan Dobnick, Wastewater Plant Supervisor, is attached which provides more detail on the stations and the reason why competitive bidding is not applicable in this circumstance.</p>			
<b>Attachments:</b> <i>(please list)</i>			
<ul style="list-style-type: none"> <li>• Resolution</li> <li>• Memorandum</li> <li>• Quotes</li> </ul>			
<b>Voting Requirements:</b>			
<p><i>This motion requires <u>  7  </u> affirmative votes for passage.</i></p> <p><i>The Mayor may vote on three occasions: (a) when the vote of the aldermen or trustees has resulted in a tie; (b) when one half of the aldermen or trustees elected have voted in favor of an ordinance, resolution, or motion even though there is no tie votes; or (c) when a vote greater than a majority of the corporate authorities is required by state statute or local ordinance to adopt an ordinance, resolution, or motion.</i></p>			
<b>Recommendation / Suggested Action:</b> <i>(how item should be listed on agenda)</i>			
Staff requests that the City Council waive competitive bidding and authorize the City Administrator to enter into a contract with Metropolitan Pump Company at a cost Not-To-Exceed \$75,658.00 to purchase and repair lift station pumps.			

**RESOLUTION NO. 2021-10**  
**RESOLUTION AUTHORIZING EXECUTION OF**  
**Contract for Sanitary Lift Station Pumps**

---

**BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF GENEVA, KANE COUNTY, ILLINOIS**, as follows:

**SECTION 1:** That the City Administrator is hereby authorized to execute, on behalf of the City of Geneva, a contract with Metropolitan Pump Company, for purchase and repair of lift station pumps.

**SECTION 2:** This Resolution shall become effective from and after its passage as in accordance with law.

**PASSED** by the City Council of the City of Geneva, Kane County, Illinois, this 15th day of March, 2021

**AYES: \_\_ NAYS: \_\_ ABSENT: \_\_ ABSTAINING: \_\_ HOLDING OFFICE: \_\_**

Approved by me this \_\_\_\_ day of \_\_\_\_\_, 2021.

\_\_\_\_\_  
 Mayor

ATTEST:

\_\_\_\_\_  
 City Clerk



**PUBLIC WORKS DEPARTMENT**  
**MEMORANDUM**

February 25, 2021

**Memo To:** Richard Babica, Director of Public Works  
Bob VanGyseghem, Superintendent of Water & Wastewater

**From:** Dan Dobnick, Wastewater Plant Supervisor

**Re: Recommendation for Purchase of Replacement Pumps and Maintenance Upgrades to Sanitary Collection System Lift Stations**

Geneva WasteH<sub>2</sub>O maintains a total of eight (8) lift stations throughout the City. There are two suppliers of pumps used within the sanitary collection system; Xylem [Flyght] and Metropolitan Industries [Hydromatic]. Seventy-Five (75) percent are Hydromatic brand pumps and controls systems serviced by Metropolitan Industries.

“Sole Source” supply of like branded pumps is the least labor intensive and overall cost effective method of replacing pumps. Only when operating conditions change and require major upgrades to a lift station is the evaluation of alternate suppliers required.

Geneva receives a “municipal discount” for purchases of Hydromatic Pumps from Metropolitan Industries. This direct purchase pricing is lower than commercial pump companies can purchase the identical pump. Prevailing wages sets all associated labor costs equal.

Capital Budget Funds have been allocated for the purchase of replacement lift station pumps. Three lift stations have been targeted repair and maintenance upgrades:

- Fisher Farms Lift Station last received upgrades in 2011. One pump is scheduled for replacement (\$11,732) and one pump has failed. This pump was pulled, disassembled and inspected for wear. The pump can be rebuilt for a cost of \$4,011 for parts and labor.
- Geneva East Lift Station last received new pump upgrades in 2012. One pump is scheduled for replacement (\$7,570) and one pump has failed. This pump was pulled, disassembled and inspected. It was determined that the cost of labor and repair parts is estimated to be \$5,458 or 75 percent of replacement value and should not be rebuilt.
- Kautz Road Lift Station has its original pumps (1998), each of the pumps has had a series of rebuilds throughout the years and one pump is currently failed. Both pumps are scheduled for replacement at a cost per each of \$18,975.

Staff Recommendations to utilize Metropolitan Industries of Romeoville, Illinois and approve for purchase five (5) new replacement Hydromatic Pumps for a total of \$64,847.  
Approve the rebuild repairs to the Fisher Farms Lift Station pump No.2 at a cost of \$4,011.  
Approve the cost of field service (parts, crane rental and site labor) not to exceed \$6,800.

**Total cost of Lift Station maintenance upgrade project = \$75,658**

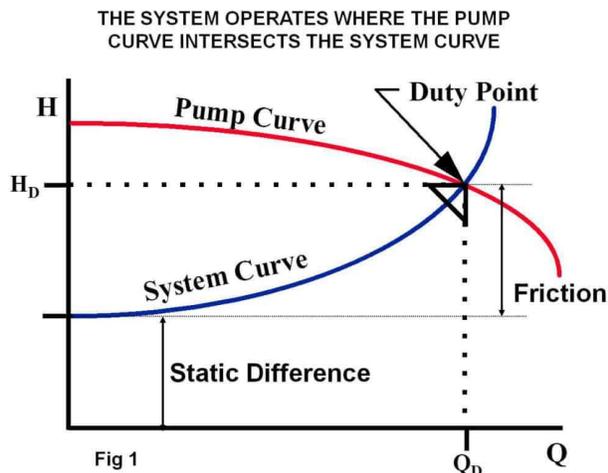
Caveat:

Lift stations are engineered to pump wastewater under pressure from a collection chamber, up through a discharge pipe [force main] to a release point in which the flow can continue by gravity to the treatment facility.

“System Curve” is the loss of flow [velocity] due to friction through the entire length of based upon the material, number of turns and diameter of the force main.

“Pump Curve” is the total height (H) in which the pump has to lift the wastewater, also known as head loss.

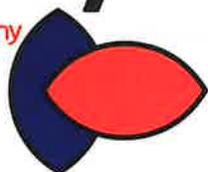
“Duty Point” is the calculated flow rate (Q) at which the pump operates at the highest or optimum efficiency for a given motor design (Hp, rpm and impeller size).



Lift Stations are designed by engineering groups to be the most cost effective and long term solution for the community. As the type of pump is specific to the station; the pump guide rails, wires, overloads and relays are part of the matching control system used to operate the pump.

# *Metropolitan Industries, Inc.*

Metropolitan Pump Company  
Metropolitan Marketing  
Metropolitan Equipment



37 FORESTWOOD DRIVE ROMEOVILLE, ILLINOIS 60446-1343  
(815) 886-9200 outside IL (800) 323-1665 fax (815) 886-4573 www.metropolitanind.com

February 23, 2021

Dan Dobnick  
Plant Manager  
City of Geneva  
WasteH2O Treatment Facility

Re: Pumps and Pumping Systems

To: Dear Mr. Dobnick,

Please be advised that Metropolitan Industries, Inc., 37 Forestwood Drive, Romeoville, Illinois 60446 is the exclusive distributor of Pentair / Hydromatic Brand pumps and parts in Illinois and Lake and Porter Counties in Indiana. We are also the Pentair warranty service center for Illinois and Indiana.

We are the sole manufacturer and distributor of Metropolitan brand self-priming pumps and Metropolitan pumping systems. We handle all warranty and non-warranty service on a twenty four hour basis.

We are the sole distributor of pumps and parts for the municipal market in Illinois and Indiana, of Pentair and Metropolitan brands.

Please call me with any questions.

Sincerely,  
METROPOLITAN INDUSTRIES, INC.

Diane Ahrendt



**PUMP COMPANY**

A Division of METROPOLITAN INDUSTRIES, INC.

37 FORESTWOOD DRIVE • ROMEOVILLE, IL • 60446-1343

(815) 886-9200 • FAX (815) 886-4573

www.metropolitanind.com

TO: Mr. Dan Dobnick

Plant Manager

City of Geneva

[ddobnick@geneva.il.us](mailto:ddobnick@geneva.il.us)

Page 1 of 2

PROJECT: Pump Replacements

Geneva, IL

BIDS DUE: ASAP

We are pleased to provide a QUOTE on the following equipment for the subject project.

**Geneva East Pump Replacement**

Qty	Description
2	Hydromatic model S4NRC500M2-4 w/ 50' cords non-explosion proof 5 HP, 1750 RPM, 230 Volt, 1 Phase, 60 HZ
2	4 Inch HOR Sealing flange
2	4 Inch HOR Carrier
<b>NOTE: IMPELLER DIAMETER AND CORD LENTH MUST BE CONFIRMED PRIOR TO ORDERING</b>	

Your cost for the above described equipment is:

**\$15,140.00**

**TAXES NOT INCLUDED**

**NOTES & CLARIFICATIONS:**

**INCLUDED:** The equipment listed above. Freight Included to City of Geneva, Il

**NOT INCLUDED:** unloading, installation, guide rail components, chain, base elbows, wiring  
conduit, controls or control compoents and anything not listed above.

**Fisher Farms Pump Replacement**

Qty	Description
1	Hydromatic model S4MXP1000JC w/50' cords 10 HP, 1750 RPM, <b>460 Volt</b> , 3 Phase, 60 HZ
1	4 Inch HOR Sealing flange
1	4 Inch HOR Carrier
<b>NOTE: IMPELLER DIAMETER AND CORD, CONDITIONS OF SERVICE AND <b>VOLTAGE</b> MUST BE PRIOR TO ORDERING</b>	

Note: The S4MX pump has now been replaced with the S4MXP.

Your cost for the above described equipment is:

**\$11,732.00**

**TAXES NOT INCLUDED**

**NOTES & CLARIFICATIONS:**

**INCLUDED:** The equipment listed above. Freight Included to City of Geneva, Il

**NOT INCLUDED:** unloading, installation, guide rail components, chain, base elbows, wiring  
conduit, controls or control compoents and anything not listed above.

Continued on Page #2

**TERMS: Net 30 days from date of invoice. All invoices are payable in full when due, with no retainage allowed.**

THIS QUOTATION, SUBJECT TO THE CONDITIONS ON THE REVERSE SIDE HEREOF, MAY BE ACCEPTED ONLY BY SIGNING ONE COPY OF THIS QUOTATION AND RETURNING IT TO METROPOLITAN PUMP CO. NOT LATER THAN THE DATE INDICATED ON THE FACE HEREOF AFTER WHICH THIS QUOTATIONS IS VOID. THIS QUOTATION AFTER ACCEPTANCE BY BUYER MAY BE CANCELLED BY EITHER PARTY WITH NO PENALTY ONLY IF ENGINEER FAILS TO APPROVE SELLERS APPROVAL BROCHURE.

Accepted:

Firm:

By:

Title:

Quotation No:

Submitted:

Void after:

Prepared By:

KT22421MNrev.1

February 24, 2021

30 Days

Ken Turnquist



**PUMP COMPANY**  
A Division of METROPOLITAN INDUSTRIES, INC.  
37 FORESTWOOD DRIVE • ROMEOVILLE, IL • 60446-1343  
(815) 886-9200 • FAX (815) 886-4573  
www.metropolitanind.com

**QUOTATION**

Page 2 of 2

PROJECT: Pump Replacements  
Geneva, IL  
Bids Due ASAP

Continued from Page #1

**Kautz Road Pump Replacement**

Qty	Description
2	Hydromatic model S6LXP1000JB w/75' cords Explosion Proof 10 HP, 1750 RPM, 460 Volt, 3 Phase, 60 HZ
2	HOR Sealing flange
2	HOR Carrier

**NOTE: IMPELLER DIAMETER AND CORD, CONDITIONS OF SERVICE AND VOLTAGE MUST BE PRIOR TO ORDERING**

Your cost for the above described equipment is:

\$37,975.00  
**TAXES NOT INCLUDED**

**NOTES & CLARIFICATIONS:**

**INCLUDED:** The equipment listed above. Freight Included to City of Geneva, IL  
**NOT INCLUDED:** unloading, installation, guide rail components, chain, base elbows, wiring conduit, controls or control components and anything not listed above.

**Installation**

**Labor Costs Per Site Figuring 1 Day (8Hrs.)**

2 Men Required  
\$175.00/Hr. Minimum 4Hrs. / Men  
\$175.00 x 8 Hr. x 2 Men = \$2,800.00  
Crane Charge is \$300.00  
**Total Price For One Day (8Hrs.) is \$3,100.00**

- If we can do more than one site visit in one day (8Hrs.), we will try to do so.
- A separate price would be provided by the service department to rebuild a pump that would be brought back to the shop for inspection.
- No other parts included. If anything in addition is required and found out during installation, this will be brought up to the City of Geneva and a price adder will then be provided.
- Quote assumes all existing and necessary conduits are available and re-usable.

**TERMS: Net 30 days from date of invoice. All invoices are payable in full when due, with no retainage allowed.**

THIS QUOTATION, SUBJECT TO THE CONDITIONS ON THE REVERSE SIDE HEREOF, MAY BE ACCEPTED ONLY BY SIGNING ONE COPY OF THIS QUOTATION AND RETURNING IT TO METROPOLITAN PUMP CO. NOT LATER THAN THE DATE INDICATED ON THE FACE HEREOF AFTER WHICH THIS QUOTATIONS IS VOID. THIS QUOTATION AFTER ACCEPTANCE BY BUYER MAY BE CANCELLED BY EITHER PARTY WITH NO PENALTY ONLY IF ENGINEER FAILS TO APPROVE SELLERS APPROVAL BROCHURE.

Accepted:	_____	Quotation No:	KT22421MN
Firm:	_____	Submitted:	February 24, 2021
By:	_____	Void after:	30 Days
Title:	_____	Prepared By:	Ken Turnquist

1. TERMS

Standard terms are net thirty days from date of invoice. Products are sold F.O.B. Factory unless otherwise stated. A 2% per month service charge is added to overdue accounts.

It is understood that the purchaser agrees to pay any and all costs incurred in collecting delinquent accounts, including by way of illustration but not limited to: reasonable attorney fees; costs of witnesses and expert witnesses, including travel from point of origin and return, subsistence and recompense for time lost from regular occupation; court costs, depositions, transcripts, etc.

Quotations are subject to acceptance within thirty days from the date, and in the interim, are subject to changes in price or other particulars upon notice.

All offers to purchase, quotations, and contracts of sales are subject to final acceptance by Metropolitan Pump (hereinafter called the Company) at its office at Romeoville IL: and shall be and constitute an Illinois Contract, subject to the laws of the State of Illinois.

2. SALES AND SIMILAR TAXES

Sales, use, occupational, excise, or other similar taxes are not included in the prices quoted and if this transaction is subjected to any such tax by any taxing authority whatever, the same must be added to the purchase price.

3. DELIVERIES

The Company shall be under no liability for failure to make deliveries where such failure to deliver may be due to fires, strikes, accidents, labor or transportation difficulties, car shortage, failure to obtain deliveries of materials, action of any State, Federal or local governments or other causes beyond its reasonable control.

4. ESTIMATED SHIPPING WEIGHTS

The Company will not be responsible for the accuracy of shipping weights submitted in quotations, as these weights are estimated weights, for use in computing probable freight charges.

5. GUARANTEES

RATED OUTPUT

The Company guarantees that the apparatus manufactured by it will deliver successfully its output as indicated on the nameplate, provided such apparatus is properly installed and maintained, correctly lubricated, operated under normal conditions and with competent supervision.

REPLACEMENT OF DEFECTIVE MATERIAL

Any parts which show faulty workmanship or material will be repaired or replaced without charge. F.O.B. Company's works, provided such defects develop under normal and proper use within three months after date of shipment and provided Purchaser shall give notice in writing to the Company and a chance to inspect such defects before repairing or altering the product in any way. The correction of such defects by repair or replacement by the Company shall constitute a fulfillment of its obligation to the Purchaser.

NON-LIABILITY FOR LOSS OR DAMAGE

The Company will not be responsible for or liable for any loss or damage resulting from improper storage or handling prior to placing the apparatus in service and will not assume any responsibility, expense or liability for repairs made outside its works without proper written consent of the company. The Company will not be responsible or liable for any damage or loss resulting from installation or operation in any manner not complying with installation or operating instructions or drawings or with the ratings marked thereon.

CONTINGENT LIABILITY

The Company will not be responsible or liable in any way for consequential damage or contingent liability resulting from nondelivery, late delivery, function, malfunction or nonfunction or any equipment sold hereunder or resulting from any service provided or from malfeasance or nonfeasance of any service provided hereunder.

6. CHANGES

In event the Purchaser finds it necessary to make changes in the work to be performed hereunder, he may do so only by written order. If such changes cause an increase or decrease in the amount due for apparatus sold hereunder, or in the time required for completion of resulting order, an equitable adjustment shall be made and the order shall be modified accordingly.

7. TERMINATION

In the event Purchaser, due to good and sufficient cause, desires to effect cancellation of sales or services sold hereunder, notice shall be given in writing to the Company.

The Company shall thereupon, as directed, cease work and deliver to the Purchaser all completed and partially completed articles and materials and work in process. The Purchaser shall pay the Company the following:

- (a) The price provided in the order for all articles or materials which have been completed prior to termination.
- (b) Actual expenditures made by the Company in connection with the incompleting portion of the order, including reasonable cancellation charges paid by the Company for which it may be liable on account of commitments made under the order.
- (c) Reasonable estimated profits on the incompleting portion of the order multiplied by the percentage of completion of the incompleting portion of the order.

8. DEFERRED DELIVERIES

Deferred deliveries are subject to Company's approval. Should the Purchaser for good and sufficient cause desire that we hold up or defer deliveries until some later day, same shall be acceptable on the following conditions only:

- (a) Deferment period is not to exceed sixty days, at the end of which time, if no release is given, Company reserves the right to render invoice and make shipment of the completed portion of order to destination specified in Purchaser's order, or to warehouse such apparatus at Purchaser's expense.
- (b) On the incompleting portion of the order, if release is not given by the Purchaser at the expiration of sixty days, the Company reserves the right to make a cancellation charge on the same conditions and terms of payment as outlined above under "Termination."

9. PATENTS

The Company certifies that to the best of its knowledge the apparatus sold hereunder does not infringe any Letters Patent granted to others by the United States of America or by any country foreign thereto. The Company does not assume any responsibility or liability for any claim of infringement brought against the Purchaser, its successors, assigns, customers or users of its product.

10. PAYMENTS

If, in the judgment of the Company, the financial condition of the Purchaser at any times does not justify continuance of the production or shipment on the terms of payment specified, the Company may require full or partial payment in advance.

Pro rata payments shall become due as shipments are made. If shipments are delayed by the Purchaser, payments shall become due from date when the Company is prepared to make shipment. If manufacture is delayed by the Purchaser, payment shall be made based on the contract price and the percentage of completion. Apparatus held for the Purchaser shall be at the risk and expense of the Purchaser.

11. FEDERAL AND STATE LAWS

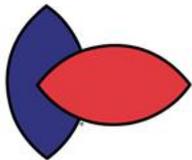
The Company, to the best of its knowledge, is complying with The Fair Labor Standards Act, Public Contracts Act and all other applicable State and Federal Laws, and the orders and regulations issued thereunder.

12. GENERAL

There are no understandings, agreements or warranties, either verbal or written, relating to the apparatus sold hereunder that are not fully expressed herein and no change in the terms hereof may be made except by a writing signed by both parties.

No statement, recommendation or assistance made or offered by Company through its representatives to the Purchaser or his representatives in connection with the use of any product sold by us shall be or constitute a waiver by Company of any of the provisions hereof or change the purchaser's liability as herein defined.

Seller represents that with respect to the production of the articles and/or the performance of the services covered by this proposal, it has fully complied with Section 12 (a) of the Fair Labor Standards Act of 1938, as amended.



Metropolitan Industries Inc.  
37 Forestwood Dr  
Romeoville, IL, 60446-1343  
Phone: 815-886-9200  
Web: www.metropolitanind.com

## Service Quotation

Order No.: SVQ001428  
Order Date: 2/11/2021  
Delivery Date: 2/11/2021  
Customer ID: 004760  
Currency: USD

BILL TO:		SHIP TO:	
City of Geneva, IL Public Works 1800 South Street Geneva IL 60134 United States of America Attn: Tom Price		Geneva, IL Public Works~City of 1800 South Street Geneva IL 60134 United States of America	
CUSTOMER P.O. NO.	TERMS	CONTACT	
Dan	Net 30	Thoms, Ray, rthoms@metropolitanind.com	
FOB POINT	SHIPPING TERMS	SHIP VIA	

NO.	ITEM	QTY.	UOM	PRICE	DISC.	EXTENDED PRICE
1	LABOR CHARGE Previous field labor NOTE: We were called to your station to inspect the pump. At this time we did remove the pump from the wet well and transported the pump back to our facility for further inspection.	1.0000	EACH	1,400.0000	0%	1,400.00
2	<b>LABOR CHARGE</b> Shop Labor NOTE: We have disassembled the pump to its component form and inspected it for wear. We will then rebuild hte pump with the new parts listed. We will then electrically test the pump for prop operation.	1.0000	EACH	2,030.00	0%	2,030.00
3	<b>PARTS CHARGE</b> Quoted Materials NOTE: Parts to include: Oil, Seal kit, Upper Bearing , Lower Bearing , Seal Fail Probes, Wear ring, Discharge Bellows gasket. All parts are for the S4MXP1000 pump	1.0000	EACH	1,981.00	0%	1,981.00
4	LABOR CHARGE Quoted Field Labor NOTE: We will travel to your location with the repaired pump and re-install it into the lift station. We will then verify that the system is operating properly.	1.0000	EACH	1,400.0000	0%	1,400.00
5	CRANE Crane usage charge	2.0000	EACH	300.0000	0%	600.00

### Fisher Farms Lift Station Pump No2

Sales Total: 7,411.00  
Freight & Misc.: 0.00  
Less Discount: 0.00  
Tax Total: 0.00  
Total (USD): 7,411.00