



AGENDA ITEM EXECUTIVE SUMMARY

Agenda Item:	Replacement of pump and motor at Well #13		
Presenter & Title:	Bob Van Gyseghem, Superintendent of Water & Wastewater		
Date:	July 3, 2023		
Please Check Appropriate Box:			
<input 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: ESM-II, ES-II			
Estimated Cost: \$161,170	Budgeted?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Other Funding? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<i>If "Other Funding," please explain how the item will be funded: Partial Insurance Reimbursement</i>			
Executive Summary:			
<p>In April, a severe thunderstorm caused a power outage at Well #12 & Well #13. Following a power outage, staff must manually reset the control system at the well. Well #12 reset but Well #13 did not. An electrical contractor was called and a short from the wellhead to the motor was found. Municipal Well & Pump was contacted as they had completed the rehabilitation within the past year. The evaluation determined the motor failure was due to a lightning strike damaging the motor requiring replacement.</p> <p>A claim filed with the City's insurance carrier determined that the removal of the pump & motor, evaluation, replacement of the motor, decommissioning of the failed motor, and installation of a new motor is covered under the City's policy.</p> <p>Due to the importance of restoring this well back into service as soon as possible, the recommendation is to waive competitive bidding and acquire the replacement pump and motor from Municipal Well & Pump.</p> <p>Insurance will reimburse the cost of the motor (\$123,670), but not the cost of the pump (\$37,500). A new pump is required as the existing one is not compatible with the new motor. The expense will be made within the existing budget and be reflected in a future budget amendment if necessary.</p>			
Attachments: <i>(please list)</i>			
<ul style="list-style-type: none"> • Resolution and Exhibits 			
Voting Requirements:			
<p><i>This motion requires 7 affirmative votes for passage.</i></p> <p><i>The Mayor may vote on three occasions: (a) when the vote of the alderpersons has resulted in a tie; (b) when one half of the alderpersons elected have voted in favor of an ordinance, resolution, or motion even though there is no tie vote; 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>			
Recommendation / Suggested Action: <i>(how the item should be listed on agenda)</i>			
<p>Recommend Approval of Resolution 2023-71 Waiving Competitive Bidding and Authorizing the City Administrator to approve the purchase of replacement pump and motor for Well #13 in the amount of \$161,170.</p>			

RESOLUTION NO. 2023-71

**RESOLUTION AUTHORIZING WAIVING COMPETITIVE
BIDDING FOR THE PURCHASE AND INSTALLATION OF A
MOTOR & PUMP FOR WELL #13**

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

SECTION 1: That the City Council of the City of Geneva, Kane County, Illinois hereby waive competitive bidding for a motor and pump for Well #13; and

SECTION 2: That the City Administrator is hereby authorized to execute, on behalf of the City of Geneva, the purchase of a motor and pump from Municipal Well & Pump as proposed on Exhibit "A" and Exhibit "B".

SECTION 3: 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 ____ day of _____, 2023

AYES: __ **NAYS:** __ **ABSENT:** __ **ABSTAINING:** __ **HOLDING OFFICE:** __

APPROVED by me this ____ day of _____, 2023.

ATTEST:

Mayor

City Clerk



June 12, 2023

City of Geneva
 Attn: Mike Andersen
 22 South First Street
 Geneva, IL 60134

RE: Well #13 Install with SME Motor

Mike,

Municipal Well & Pump (MWP) would like to thank you for the opportunity to provide this proposal for the above referenced project. The details of the cost to furnish & install equipment is as follows:

The recommendation is a Submersible Motor Engineering 2300V/300 HP motor. MWP has had good success with the SME motors and information is provided for your review.

Motor Details:

SME Signature Series, 14", 300 HP, 4 Pole, 2300/3/60.

SME Signature Series, 14", 300 HP, 4 Pole, 2300/3/60, 316 Stainless Steel Construction, 3 lead configuration, SC/SC Single Mechanical Seal, Water filled, Submersible motor equipped with four PT100 #8 Platinum RTD's. All SME motors are designed to work with a soft-Starter and VFD per SME's requirements.

The installation would be scheduled as materials become available. The motor is in stock and the estimated delivery time on a pump is 8-10 weeks.

Municipal Well and Pump appreciates the opportunity to provide this proposal. I look forward to your decision and if I can answer any questions, please feel free to contact me.

SME 14" 2300V Includes Decommissioning	\$ 99,210.00
Installation Cost	\$ 24,460.00
Total Price	\$ 123,670.00

Respectfully,

MUNICIPAL WELL & PUMP

Mark Mueller

Mark Mueller
 Project Manager
 815-988-0644



June 11, 2023

City of Geneva
 Attn: Mike Andersen
 22 South First Street
 Geneva, IL 60134

RE: Well #13 Pump - SIMFLO Pump

Mike,

Municipal Well & Pump (MWP) would like to thank you for the opportunity to provide this proposal for the above referenced project. The details of the cost to provide a pump for Well 13 are as follows:

The recommendation is a SIMFLO submersible pump. Provided is a pump comparison for your review between the Goulds, Headwater, and SIMFLO pumps. The SIMFLO pump has better than 80% efficiencies at the 3 duty points suggested in the original spec, lower HP demand in regards to NOL HP, and HP at design when compared.

Details of equipment:

SPI1M-14 STAGE SIMFLO SUBMERSIBLE BOWL ASSEMBLY

CL 30 CI Bowls with O-Rings and Glass Lined Epoxy Coating, 316SS Impellers, 416 HT SS Shafting, 316 SS Collets, Bronze Bearing Throughout, 304SS Bolting, 316SS Screen, 416 SS Motor Coupling, NEMA X 14" Motor Plate Adapter, SS Cable Guard and Clamps, Bowl Wear Rings, 11 X 10 DI NPT Discharge Bowl, and 316SS Motor Bolts

The installation would be scheduled as materials become available. The motor is in stock and the estimated delivery time on the pump is 8-10 weeks.

Municipal Well and Pump appreciates the opportunity to provide this proposal. I look forward to your decision and if I can answer any questions, please feel free to contact me.

SP11M-14 STAGE SIMFLO Submersible Pump NW Perf Testing, 14.6 Grade 2B, PE w/Job Motor Hydro Static Testing	\$ 37,500.00
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Respectfully,

MUNICIPAL WELL & PUMP

Mark Mueller

Mark Mueller
 Project Manager
 815-988-0644