



**CLIFTON PARK WATER AUTHORITY  
BOARD MEETING**

**Tuesday, December 13, 2016  
7:00 PM**

**AGENDA**

**Privilege of the Floor**

**Old Business**

- Tank Inspections at Knolltop, Miller and Blue Spruce
- Preserve Test Well
- Union Negotiations

**New Business**

- SCWA Interconnect Improvements
- Berryfarm Well Issues

**Other Business**

- Approve Minutes of November 15, 2016 Meeting

## Don Austin

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**From:** Vopelak, Ed <e.vopelak@ctmale.com>  
**Sent:** Tuesday, December 13, 2016 11:13 AM  
**To:** Don Austin  
**Subject:** CPWA Tank Inspections 2016- Knolltop, Miller Rd, Blue Spruce

Don,

Per your request I reviewed the underwater video camera inspections of the 3 subject tanks by Utility Service group in 2016, along with the summary and recommendations from their Inspection reports, and the interior pictures from the Knolltop report.. Based upon the information reviewed, coating rehabilitation on these tanks does not have to be preformed next year.

I would recommend that the Knolltop Hydropillar be inspected again in the summer of 2018 ,to reassess the condition of its coating systems , especially the wet interior coating system, which was in the worst condition . The interior of the tank roof is showing evidence of corrosion at the roof plate seams, which is not atypical , as this is a difficult area to sandblast and coat. There is evidence of coating damage at the operating water level of the tank due to ice. There is also pitting , at several random spots around the interior tank shell , which might be at the location of stud welds on the outside of the tank. The inspection summary also suggests that the interior dry area be sandblasted and coated. From the pictures, the interior dry areas are generally in good shape, except at the flat areas inside the tank pillar ( mostly ladder landings) and the ladder steps. These areas are easy to power tool clean and coat. The exterior coating system is still offering good protection , but should be spot primed and fully over-coated when the tank interior coating is replaced. There are also a couple of spots down to bare metal on the roof that could be touched up. For capital planning purposes, I would suggest that Knolltop be scheduled for coating rehabilitation in 2019.

The other two tanks should be scheduled for inspection in 3 years based upon their condition. There is some corrosion occurring in both tanks , but the overall coating systems are in better shape than at Knolltop, since the coatings were applied more recently.

The installation of mixers in all three tanks is also suggested. The installation of a mixer at Miller would be the most effective at controlling ice formation, since the tank level does fluctuate significantly and there is some evidence of ice damage to the coating system. The other 2 tanks would benefit from mixing as well.

Minor miscellaneous repairs recommended for the vents at Blue Spruce and Miller. This work should be done in the spring when the weather is suitable. The spalling concrete and missing grout at the base of the Blue Spruce Tank should be repaired/ replaced as well.

Please call if you have any questions regarding my recommendations.


**Ed Vopelak, PE**  
VP Technical Services  
Tel 518.786.7432  
[e.vopelak@ctmale.com](mailto:e.vopelak@ctmale.com)

**C.T. MALE ASSOCIATES**  
Engineering, Surveying, Architecture & Landscape Architecture, P.C.  
50 Century Hill Drive  
Latham, NY 12110  
Tel 518.786.7400  
Fax 518.786.7299



**Budget Estimate for**  
**GridBee GS Series Electric Potable Water Tank Mixers**  
Effective: September 12, 2016 - Note: Please verify price before ordering.

The GS Series mixer performance is guaranteed. They are the most effective and competitively priced mixers on the market. They have the lowest life cycle cost and the best warranty. Full specifications are available at [www.MedoraCo.com](http://www.MedoraCo.com). Installing the above mixer is within the scope of work that most cities and contractors can perform. A GS Series Electric Mixer 11 minute Installation Video is available at: <http://potablewater.medoraco.com/mixers/gridbee-electric>

Description	GS-9	GS-12
GS Submersible Electric Mixer: with 75 ft of electrical cable	\$6,880	\$9,580
Freight cost for each basic system:	\$80	\$100
Standard Horsepower, Voltage, Phase: Other voltage / phase available on request	0.50 hp, 120vac, 1ph	0.50 hp, 120vac, 1ph
Mixer length x diameter, inches: 12" or larger hatch size required, no need to enter or drain the tank	24" x 10"	36" x 10"
Weight: submersible mixer only	65 lbs	75 lbs
For tank volumes, depending on conditions, up to: in million gallons	3 MG	8 MG
<b>Options</b>		
150' submersible electrical cable in lieu of standard 75' cable, add: (This electrical cable option can only be ordered with a mixer)	\$390	
Chemical injection hose <u>interior</u> : 100 ft	\$230	
Chemical injection hose <u>exterior</u> : 50 ft SS braided w/ quick connect	\$360	
Chemical injection hose penetration thru fitting: for steel tanks	\$230	
Control Box A: UL listed, NEMA 4X, 120v/1ph, with SCADA monitoring, HOA switch, GFCI, indicator light, locking latch	\$1,070	Shipped with mixer for electrical contractor installation
Control Box B: UL listed, NEMA 4X, 120v/1ph, w/ timer but No SCADA, HOA switch, GFCI, indicator light, locking latch	\$680	Shipped with mixer for electrical contractor installation
Factory Delivery and Placement: Installing the above mixer is within the scope of work that most cities and contractors can perform	\$9,000 to \$13,000	Varies with tank height and tank construction
STH-8400 Submersible Electric Potable Water Tank Heater: 316 SS, includes a control panel, float switch, 50' of electrical cable, chain, etc. Fits through 12" or larger roof opening. Nominal 240VAC/1PH	\$6,800 + \$100 Freight	Typically used in cold climates when the tank has less than 10% turnover
Portable Disinfectant Boost System: Consider when occasional on-site boosting is desired, an electric or engine- driven air compressor (4 cfm @ 60 psi) is required to operate the air- powered diaphragm pump; air compressor is <u>not</u> included	\$8,720 FOB Factory	

Manual Digital Thermometers: Do your own before and after temperature profile with:  
Clinefinder 411 to 50' depth in 2' increments: : \$225 -- Fish Hawk TD to 300' depth in 5' increments: \$250





Proposal From  
**UTILITY SERVICE COMPANY, INC.**  
1230 Peachtree St NE · Suite 1100 - Promenade · Atlanta, GA 30309  
Toll-free: 855-526-4413 | Fax: 478-987-2991  
utilityservice.com

Date: 12/2/2016

Submitted by: **Roger Linder**

Local Phone: **585-645-2208**

SFID: **47082**

CN:

SO:

Proposal Submitted To: <b>Clifton Park Water Authority</b>			Phone Number: <b>518-383-1122</b>		Fax Number:	
Street Address: <b>661 Clifton Park Center</b>			Description of Work to be Performed: <b>PAX PWM-400 Mixer Supply and Install</b>			
City: <b>Clifton Park</b>		State: <b>NY</b>	Zip Code: <b>12065</b>	Tank Name: <b>Miller Road Tank</b>		
Accounts Payable Contact Name: <b>Don Austin</b>		Email: <b>daustin@cpwa.org</b>		Job Site Address: <b>Miller Road</b>		
Job Contact (Inspection Reports): <b>Don Austin</b>		Email: <b>daustin@cpwa.org</b>		County / Parish: <b>Saratoga</b>	Tank Size: <b>1.5MG</b>	
				Tank Style: <b>Hydropillar</b>		

Utility Service Co., Inc. agrees to provide all labor, equipment, and materials needed to complete the following:

1. A date shall be coordinated by both parties for the Owner to mobilize.
2. Utility Service Co., Inc. shall furnish and install one (1) NSF Approved PAX PWM-400 Submersible Active Mixing system, together with all drives, motors, controls, and accessories necessary for a complete and operable active mixing system. PAX Submersible Active Mixing system shall consist of a low-voltage, water-filled submersible motor, float switch, and a non-submersible control center that houses all control electronics.
3. Owner will be required to provide 120 VAC, 15 Amp GFCI – Protected, 15 Amp Circuit power supply at the tank, and will be required to supply a certified electrician to make the final connection between the PAX Mixer and the power supply during the installation.
4. Owner will be responsible for all trenching, conduit, and electrical connections outside the tank, unless otherwise specified by this agreement.
5. Upon completion of PAX installation, USG will power up the PAX Active Mixing system and complete electrical system check/IAR on PAX Control Center to verify proper operation.
6. The tank will be inspected to assess the sanitary, safety, structural, security, and coatings conditions.
7. After all installation work is completed, the tank will be sealed and made ready for service. A comprehensive written report with color digital photographs will be submitted detailing the condition of the tank. A representative of Utility Service Co., Inc. will schedule a date with the Owner to present the report and findings. Video will be taken if possible within the tank.
8. Price Includes Washout to remove sediment / debris.
9. Price includes full chemical clean of tank.
10. Control Panel includes set up for hard-wired SCADA interface.

Please sign and date this proposal and fax one copy to our office.

**Fifty-Six Thousand Twenty-Five and -----00/100**

**Dollars**

**\$56,025.00**

Payment to be made as follows:

**Payment in Full Completion of Work – plus all applicable taxes**

**Remittance Address: Utility Service Co., Inc., P O Box 674233, Dallas, TX 75267-4233**

All material is guaranteed to be as specified. All work to be completed in a substantial workmanlike manner according to specifications submitted, per standard practices. Any alteration or deviation from above specifications involving extra costs will be executed only upon written orders, and will become an extra charge over and above the estimate. All agreements contingent upon strikes, accidents or delays beyond our control. Owner to carry fire, tornado and other necessary insurance. Our workers are fully covered by Workmen's Compensation Insurance.

Authorized  
USG Signature

*Marty Mazzella*

Note: This proposal may be withdrawn by us if not  
accepted within Sixty (60) days.

**Acceptance of Proposal -** The above prices, specifications and conditions are satisfactory and are hereby accepted. You are authorized to do the work as specified. Payment will be made as outlined above.

Fiscal Yr Beginning Month \_\_\_\_\_

Signature \_\_\_\_\_

Date of Acceptance \_\_\_\_\_

Printed Name \_\_\_\_\_

## Don Austin

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**From:** Moline, Kirk <k.moline@ctmale.com>  
**Sent:** Tuesday, November 29, 2016 11:39 AM  
**To:** Don Austin  
**Subject:** RE: Berry Patch Well

Don,

I believe the current situation may be result of the collection of soil samples from the borehole using air rotor methods. The blow back samples may not have been representative (or accurate) of their actual location within the formation as the finer material is brought to the surface more readily than the coarser material. This is a typical issue when using air rotary methods and well as cable tool (finer material is washed out). In hindsight, the selection of various slot sizes for various formation intervals should have been avoided, and a finer slot size throughout the screened interval of the well considered. I don't think you can say Hawk or Johnson Screens were at fault, they were just going by what the sieve results revealed. Otherwise, Hawk's limited experience in the construction of a larger, screened, high capacity municipal water well may have had a role.

Let me know if you have any questions.

Thanks,

**Kirk**

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**From:** Don Austin [mailto:daustin@cpwa.org]  
**Sent:** Tuesday, November 29, 2016 10:52 AM  
**To:** Moline, Kirk  
**Subject:** RE: Berry Patch Well

So my question is where did it all go wrong? If Hawk sent Johnson correct well log information and Johnson correctly specified the screen based on the information provided, is anyone at fault in the whole process? Can you specifically point to an error in method that led to the problems we are having?

**From:** Moline, Kirk [mailto:k.moline@ctmale.com]  
**Sent:** Tuesday, November 29, 2016 9:29 AM  
**To:** Don Austin <daustin@cpwa.org>  
**Cc:** Vopelak, Ed <e.vopelak@ctmale.com>  
**Subject:** Berry Patch Well

Don, Attached is the well information relative the replacement well for PW-10 installed by Hawk Well Drilling.

Thanks, Kirk

**Kirk Moline**  
Managing Geologist  
Tel 518.786.7502  
Cell 518.265.1708  
[k.moline@ctmale.com](mailto:k.moline@ctmale.com)

**C.T. MALE ASSOCIATES**  
Engineering, Surveying, Architecture & Landscape Architecture, D.P.C.

# BERRYFARM PUMPING TOTALS

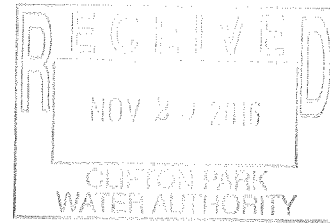
2005	141,454,000	
2006	181,164,000	
2007	165,844,000	
2008	155,509,000	
2009	137,957,000	
2010	122,609,000	
2011	103,777,000	
2012	83,192,000	
2013	76,956,000	
2014	49,477,000	
2015	67,774,000	
2016 TO DATE	24,465,000	
		TOTAL 1,310,178,000

**PROGRESSIVE®**

Progressive Claims Branch  
6699 Transit Rd, Ste 150  
Williamsville, NY 14221-7212

Telephone: 716-810-1420

Facsimile: 716-810-1496



November 23, 2016

Town Of Clifton Park Ny  
661 Clifton Park Center Rd.  
Clifton Park, NY 12065

Policyholder: Visicaro, Robert  
Claim Number: 165155118  
Underwritten by: Progressive Advanced Insurance Company  
Date of Loss: 10/21/2016

Dear To whom this may concern,:

As you are aware, our insured has a \$10,000.00 liability limit on this policy. As there are multiple claims being made against this policy, which exceed the \$10,000.00 of coverage available, it was necessary to prorate the settlements. The claims presented against this policy, to date, are outlined below:

\$6442.25	Damages sustained to	fire hydrant;	owner:	Town of Clifton Park
\$3200.00	Damages sustained to	Hyundai;	owner:	Mark Milia
<u>\$1328.07</u>	Damages sustained to	land/property;	owner:	Mark Milia.
\$10970.33	Total damages.			

In addition to the above figures we already paid \$1310.75 for tow and storage fees for 1998 Toyota Camry owned by Tyler Miorin, this drops the policy limit from 10k to \$8689.25. There is also damages owed to Tyler Miorin for \$1841.84, and to John Minehardt for his mailbox, and property damage for \$441.05. The total of all property damage in this claim is \$13,253.21, we currently have \$8689.25 to pay for all of the property damages.

Enclosed you will find the breakdown sheet which explains how payment will be made. Also enclosed are return envelopes for your convenience. If you have any questions, please feel free to contact me at the number listed above.

Sincerely,

Paul Sutton Ext.716-810-1464  
Claims Representative  
A10/ps

# Prorating Policy Limits By Exposure

Claim # 16-5155118

Only enter information in the blue cells.  
The red cells automatically update.

Total Exposures		Individual Damages		Percentages
<i>Under One Coverage</i>				
	<u>\$13,253.21</u>	MIORIN	<u>\$1,841.84</u>	0.139
		STATE FARM /MILIA	<u>\$3,200.00</u>	0.241
Policy Limits	<u>\$8,689.25</u>	MILIA LANDSCAPE	<u>\$1,328.07</u>	0.100
		MINEHARDT	<u>\$441.05</u>	0.033
		town of clifton park	<u>\$6,442.25</u>	0.486
			<u>                    </u>	
				100.00%
Pay to	MIORIN	\$1,207.57		
Pay to	STATE FARM	\$2,098.03		
Pay to	MILIA LANDSCAPE	\$870.73		
Pay to	MINEHARDT	\$289.17		
Pay to	town of clifton park	\$4,223.76		
		<b>Total Paid</b>		
		<i>Should not exceed policy limits</i>		



**Clifton Park Water Authority**  
**661 Clifton Park Center Road**  
**Clifton Park, NY 12065**  
**518-383-1122**

**Invoice**

Invoice Date: November 3, 2016

Progressive Casualty Insurance Co.  
6699 Transit Rd – Suite 150  
Williamsville, NY 14221-7712  
Att: Mr. Paul Sutton

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**RE: Your Insured – Robert Visicaro**  
**Date of Accident - 10/21/16**  
**Your Claim Number: 16-5155118**

**PARTS**

1	5'6" Fire Hydrant	\$1,814.16
1	6" Main Valve	470.82
5'	6" Ductile Iron Pipe @ \$14.76/ft.	73.80
2	6" Locking Gland Kits @ \$32.88 ea.	65.76
1	Blue Bolt Kit with Gasket	22.71

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**TOTAL PARTS** **\$2,447.25**

**LABOR**

10/21/16	
6 hours @ \$50/hr. per man – 6 men	\$1,800.00
10/25/16	
4 hours @ \$50/hr. per man – 5 men	\$1,000.00

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**TOTAL LABOR** **\$2,800.00**

**LOST WATER**

500,000 Gallons @ \$2.39/1,000 Gallons	<b>\$1,195.00</b>
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**Total due this invoice:** **\$6,442.25**

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