



**CLIFTON PARK WATER AUTHORITY
BOARD MEETING**

**Tuesday, December 12, 2017
7:00 PM**

AGENDA

Privilege of the Floor

Old Business

- Water Main Replacement on Plank Road
- Health Coverage for Medicare-eligible Employees/Retirees
- Potential System Upgrades to Increase CPWA Production Capacities

New Business

Other Business

- Approve Minutes of November 14, 2017 Meeting

C.T. MALE ASSOCIATES

Engineering, Surveying, Architecture & Landscape Architecture, D.P.C.

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November 28, 2017

Mr. Donald Austin, Authority Administrator
Clifton Park Water Authority
661 Clifton Park Center Road
Clifton Park, New York 12065

Re: *Proposal for Engineering Services*
Investigation of Additional Water Source Capacity
CTMA Project No. 17.7001

Dear Mr. Austin:

C.T. Male Associates Engineering, Surveying, Architecture & Landscape Architecture, D.P.C. (C.T. Male) is providing this proposal for engineering services in order to investigate all possible options to improve source water capacity within the CPWA system. The assessment generally includes looking into upgrades which have been previously studied, updating the modeling to current system configurations and updating cost estimate to current dollar values.

The water source capacity study will look into the following options:

1. ***Improved connection to SCWA:*** This interconnect was analyzed at length in 2016. This study would come up with a revised capital cost estimate to build a new pump station at the existing pump station site, in lieu of modifying the existing pump station.
2. ***Halfmoon Interconnect:*** This option would look at practical system upgrades in both the CPWA and Halfmoon systems in order to increase the possible maximum flows between the two systems. In 2009, the interconnect option was assessed to determine how much water could be obtained through the existing interconnect near Routes 9 and 146. This study would look at the existing interconnect plus any other reasonable locations where a new interconnect could be constructed.
3. ***Latham Water District Interconnect:*** This option would be to provide a preliminary budget estimate for installing a new water line under the Mohawk River and for any upgrades necessary within the Latham Water District, but would not include any major improvements to the CPWA transmission system. This task would require updates to the hydraulic model that was done in 2013, as well as coordination with Latham Water District as to their ability to sell water.

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4. **Increase Glenville Interconnect Capacity:** This scenario evaluates the feasibility and cost of increasing the capacity of the Glenville Interconnect to some practical level above the current 1.0 MGD that the interconnect provides. The analysis would look at pumping more water into the CPWA system.
5. **Surface Water Treatment Plant:** This option would be to provide a preliminary budget estimate to construct a surface water treatment plant on the Mohawk River capable of treating and pumping 6 MGD.

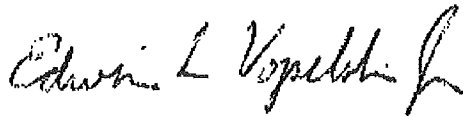
The fee to perform the study would be a lump sum cost of \$10,150. The cost is broken down by option below:

SWCA Interconnect:	\$900
Halfmoon Interconnect:	\$900
Latham Water Interconnect:	\$3,050
Glenville Interconnect:	\$2,200
Surface Water Plant:	\$3,100

Please feel free to call me at (518) 786-7432 should you have any questions in this matter.

Sincerely,

C.T. MALE ASSOCIATES



Edwin L. Vopelak Jr., P.E.
Vice President, Technical Services

c: Kathryn Serra, P.E., C.T. Male