

Table 1
 Villiage of Millbrook
 DRAFT Water System Upgrade Project
 Project Cost Estimate - Revised 2/10/18

| Item | Unit | 2018 | Comments |
|-----------------------------------------------------------------------------------|----------|------------------------|-------------------------------------------------------------|
| A. Construction | | | |
| 1. GENERAL CONTRACT | | | |
| Sitework: | lump sum | \$ 30,000.00 | Includes sitework & restoration. No local storage tank Rev. |
| Yard Piping: | lump sum | \$ 20,000.00 | |
| Excavation & Backfill: | lump sum | \$ 30,000.00 | |
| 150,000 gallon Water Storage | | | |
| Tank Construction/Installation: | | | no tank - additional water main 400' @48" |
| Accessories: | lump sum | \$ 20,000.00 | |
| Site Restoration: | lump sum | \$ 15,000.00 | |
| Stormwater Facilities | | | |
| (per NYSDEC General Permit): | lump sum | \$ 5,000.00 | |
| Mobilization/Demob/Bonds/insurance: | lump sum | \$ 20,000.00 | |
| Addition - Water Treatment Building: | sq ft | \$ 150,000.00 | 750 sq.ft. - @ \$200/sqft. 25'x 30' |
| Filtration Equipment (Filters): | lump sum | \$ 250,000.00 | higher head and flow-direct filtration |
| Chemical Feed Equipment: | lump sum | \$ 20,000.00 | |
| New WTP Pumps: | lump sum | \$ 15,000.00 | Spare high lift pump in Rev. price |
| Process Piping and Valves: | lump sum | \$ 35,000.00 | |
| Existing Retrofit WTP Pumps: | lump sum | \$ 7,500.00 | |
| SUBTOTAL GENERAL CONTRACT: | | \$ 617,500.00 | |
| 2. ELECTRICAL CONTRACT - Water Treatment Plant | | | |
| Mobilization/Demob/Bonds/insurance: | lump sum | \$ 15,000.00 | |
| Sitework (New Service, etc.): | lump sum | | |
| Site Restoration: | lump sum | | |
| Electrical Work: | lump sum | \$ 25,000.00 | |
| SCADA System Work: | lump sum | \$ 25,000.00 | |
| New Emergency Generator: | lump sum | \$ - | Generator |
| SUBTOTAL ELECTRICAL CONSTRUCTION: | | \$ 65,000.00 | |
| 3. HVAC CONTRACT - Water Treatment Plant | | | |
| Mobilization/Demob/Bonds/insurance: | lump sum | \$ 3,000.00 | |
| Sitework (New Service, etc.): | lump sum | | |
| Site Restoration: | lump sum | | |
| HVAC Work: | lump sum | \$ 30,000.00 | |
| SUBTOTAL HVAC CONSTRUCTION: | | \$ 33,000.00 | |
| 4. EXISTING WATER STORAGE TANK REHABILITATION CONTRACT NOT IN THIS PROJECT | | | Estimate unconfirmed with Paint Supplier |
| Mobilization/Demob/Bonds/insurance: | lump sum | \$ 20,000.00 | |
| Sitework (Scaffolding, Tenting, etc.): | lump sum | \$ 100,000.00 | |
| Site Restoration: | lump sum | \$ 20,000.00 | |
| Tank Recoating Work (no lead remediation): | lump sum | \$ 400,000.00 | |
| 500,000 GAL. STORAGE TANK REHAB: | | \$ 540,000.00 | Standard Coating System |
| maintaining water supply and fire reserve contingency 15% | | \$ 81,000.00 | plan must be approved by DCHD & Millbrook Fire Co. |
| SUBTOTAL CONSTRUCTION : | | \$ 1,336,500.00 | |

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| B. Other Costs | | | |
| 1) Professional Services | | | |
| 1.1. Site Surveying: | | | |
| - Topo Survey | | \$ 5,000.00 | assuming wet land survey acceptable |
| - Construction Layout & As-Built Survey | | \$ 3,500.00 | |
| 1.2. Geotechnical Investigation: | | \$ 10,000.00 | |
| 1.3. Engineering | | | |
| -Preliminary Design plan: | | | |
| -Stormwater Pollution Prevention Plan (SWPPP) & wetland permit: | | \$ 20,000.00 | revise existing wetland permit to include building addition, <1 Acre |
| -Final Design: | | \$ 60,000.00 | |
| -Bidding/Award: | | \$ 9,200.00 | |
| -Construction Administration: | | \$ 41,667.00 | Engineering during construction. Based on 5 months construction. |
| -On-Site Inspection (5 months full time) | | \$ 60,000.00 | |
| -Grant applications writing & follow up | | \$ 15,000.00 | |
| -As-Built Drawings: | | \$ 3,000.00 | |
| 1.4. SEQR/Environmental Review | | \$ 10,000.00 | Uncoordinated review; short EAF no SHPO |
| SUBTOTAL PROFESSIONAL SERVICES: | | \$ 237,367.00 | |
| 2) Legal & Misc. | | | |
| -Legal: | | \$ 15,000.00 | |
| -Financing Cons./Bookkeeping & Reporting Admin.: | | \$ 10,000.00 | |
| SUBTOTAL LEGAL & MISC.: | | \$ 25,000.00 | |
| 3) Project Financing | | | |
| -Bond Counsel | | \$ 15,000.00 | TBD |
| -Short Term Financing/Net Interest | | \$ 20,000.00 | TBD |
| SUBTOTAL PROJECT FINANCING: | | \$ 35,000.00 | |
| 4) Village Administration Costs | | | |
| VILLAGE ADMINISTRATION COSTS: | | \$ 10,000.00 | |
| SUBTOTAL - OTHER COSTS: | | \$ 307,367.00 | |
| C. Contingency (10%) | | | |
| Contingency (10%): | | \$ 164,386.70 | |
| Village of Millbrook Water System Rehabilitation | | | |
| Estimated Total Project Budget Cost: | | \$ 1,808,253.70 | |