

Dist. 8/4/23
Ref. # 50.23

**Village of Pawling, NY WPCF
Annual Instrument Calibrations and SCADA Updates/Patches 2023**

Material		Qty/hrs	Net	
Inst	Span Gas for O2, H2S and LEL; Regulator	0	\$ -	
	pH sensor salt bridges and ref solutions	3	\$ 360	
	DO sensor caps (every 2 years, due 2023)	3	\$ 1,260	
			\$ -	
Sw	WIN911 software autodialer manufacturer's maintenance support (1 year)	1	\$ 960	
				\$ 2,580 Sub Mat
Engineering		Hrs	Net	
Inst	Procurement; Onsite install/startup	20	\$ 3,200	
			\$ -	
Sw	HMI Updates and Patches install on SCADA PC	10	\$ 1,600	
			\$ -	
	Final docs and backups	2	\$ 320	
			\$ -	
			\$ -	
				\$ 5,120 Sub Eng
				\$ 7,700 Total

Note(s) and Design Considerations:

- 1 This proposal includes:
 - a Instrumentation calibration of (1) Gas Analyzer System, (2) Flow, (3) Dissolved Oxygen and (3) pH Analyzers with consumables for this year. Purpose is preventative maintenance, ensure accuracy and normal automatic system operating modes. Not included are any necessary follow-up engineering and/or material resulting from required repair or replacement that which would be advised for approval in advance.
 - b Installation of the latest Microsoft Windows Updates and Rockwell Software Patch Roll Ups to keep your SCADA PC protected and Cyber Secure.
- 2 AA will require existing 25' ladder in order to access/calibrate one LEL sensor.
- 3 WIN911 mfg's support should be maintained annually for access to updates and is at a reduced rate when compliant.
- 4 Lead time is 1 week for manufacturer's parts