



Town of Johnstown, Low Point Wastewater Treatment Facility Additional Services, Construction Engineering Services, SCADA Programming Services

December 2, 2021

TASKS AND SUBTASKS		LEVEL OF EFFORT (hours)											Total AQUA Hours	Total AQUA Labor \$	Direct Expenses	AQUA Expenses and Subs Markup	Total AQUA Fee					
		PIC	Sr. Process Eng / PM	Sr. Process Eng	Engineer II	Principal Electrical & Controls Eng.	Electrical/Controls Engineer III	Controls Engineer I	Principal Structural Engineer	Sr. Designer	Designer	Senior RPR/Construction Specialist						SKM Clerical	Project Admin/Coordinator			
		Bob Frchetti Justin Logan	Craig Matsuda	Boris Petkovic	Cody Vavra Mitchell Weldon Steve Brady	Ryan Pack	Andy Wells Lindsey Stevens	Bob Buckner	Darin Hawkes	Keith Rindt Kenneth Baetz	Derek Hyde	Kevin Alcott						SKM Clerical	Ernestine Trujillo			
		\$190/hr	\$180/hr	\$165/hr	\$150/hr	\$175/hr	\$160/hr	\$145/hr	\$180/hr	\$115/hr	\$105/hr	\$140/hr	\$65/hr	\$85/hr			10%					
10	Additional Services (Already Provided)																		\$90,000			\$90,000
10.1	Expanded Comprehensive Performance Evaluation (CPE)																		\$10,000			\$10,000
10.2	Additional Utility Plan (UP) Services																		\$10,000			\$10,000
10.3	Major Equipment Bidding, Pre-Selection, and Procurement Services																		\$40,000			\$40,000
10.4	CMAR Design Phase Coordination Services and GMP Development																		\$15,000			\$15,000
10.5	Additional CDPHE Permitting																		\$15,000			\$15,000
11	Construction Engineering - Assumes CMAR Delivery	562	1722	160	972	104	72	20	60	40	1628	4	108	5452	\$870,720	\$29,375	\$2,937	\$903,032				
	Contract Duration (weeks)	104																				
11.1	Project Management and Quality Assurance /Quality Control	120	120										48	288	\$48,480	\$200	\$20	\$48,700				
11.2	Construction Contract Administration																					
11.2.1	Construction Contract Execution, NTP, Schedules Review, Conformance, Design Approval	4	40										2	50	\$8,690			\$8,690				
11.2.2	Attend Construction Meetings (104 weekly) meetings, 4 hrs per meeting		416											416	\$74,880	\$7,363	\$736	\$82,979				
11.2.3	Engineer Visits to the Site (same day as meetings, plus one visit/ week by Eng II	144	208		416									768	\$127,200	\$9,062	\$906	\$137,168				
11.2.4 - 7	RFI's , Field Orders, Submittals, VE and Change Order/ Contingency Mgmt	208	800	160	520	12	40	20	20					1780	\$302,320			\$302,320				
	<i>PLC Submittals and Testing - Not required if SKM provides PLC and Instruments to Moltz</i>					58	32					4		94	\$15,530	\$1,750	\$175	\$17,455				
11.2.8	Pay Application Review and Recommendation	52	72										24	200	\$32,160			\$32,160				
11.2.9	Substantial Completion/ Punchlist	8	8		8	8							2	34	\$5,730	\$300	\$30	\$6,060				
11.2.10	Start-up Assistance (in addition to regular office time/ site visits)	8	20		20	8							2	58	\$9,690			\$9,690				
11.2.11	Final Completion/ Punch List	8	8		8	4							2	30	\$5,030	\$300	\$30	\$5,360				
11.2.12	As-Built Documentation		10			4			40	40	30		4	128	\$15,840			\$15,840				
11.2.13	Post Construction/Warranty Phase Services	10	20			10					14		4	58	\$9,550	\$400	\$40	\$9,990				
11.3	RPR Services (16 hrs/wk till SC, 8 hrs/ wk SC to FC)					36		1012			1528	30	22	1548	\$215,620	\$10,000	\$1,000	\$226,620				
12	SCADA PROGRAMMING SERVICES					\$6,300		\$146,740				\$1,950	\$1,870	1100	\$156,860	\$73,375	\$100	\$230,335				
12.1	SCADA & PLC Programming, Computer Hardware & Software																					
12.1.1	PLC Programming and Software					16		311				9		336	\$48,480	\$5,725		\$54,205				
12.1.2	SCADA Computer and Software					1		12				1		14	\$1,980	\$57,150		\$59,130				
12.1.3	SCADA Programming					16		311				9		336	\$48,480			\$48,480				
12.1.4	Alarm System/Autodialer Programming					2		30				1		33	\$4,765			\$4,765				
12.2	Start-up/ Training and Record Drawings																					
12.2.1	I/O Testing							50				2		52	\$7,380	\$1,250		\$8,630				
12.2.2	Commisioning							274				7	2	283	\$40,355	\$8,250		\$48,605				
12.2.3	Training							12						12	\$1,740			\$1,740				
12.2.4	Record Drawings					1		12				1	20	34	\$3,680	\$1,000	\$100	\$4,780				
Fee Summary		Task Hours											6,552	1,117,580	102,750	3,037	\$1,223,367					
		562	1722	160	972	140	72	1012	20	60	40	1628						34	130			
		Task Fees																				
		\$106,780	\$309,960	\$26,400	\$145,800	\$24,500	\$11,520	\$146,740	\$3,600	\$6,900	\$4,200	\$227,920	\$2,210	\$11,050								