		Town of Johnstown, Central Wastewater Treatment Plant (2.5 MGD)																			Febr	bruary 17, 2021		
	DI	Sr Principal Eng/QAQC	Sr. Process Eng / PM	Sr. Process Eng	Engineer I	Process Specialist	Principal Electrical Eng.	Controls Controls Engineer III	DF EFFORT (ho Controls Engineer I	Principal Structural Engineer	Sr. Site Civil Engineer	Sr. Designer	Designer	Estimator / C onstruction Advisor	Senior RPR	Project Admin	ours	abor \$		Subconsulta	ints		ses and Subs kup	
Innovative Engineering Solutions	Bob Frachetti	Scott Rogers Justin Logan	Craig Matsuda	Boris Petkovic	Cody Vavra Mitchell Weldon	Sean Scuras (Garver)	Ryan Pack	Andy Wells Lindsey Stevens	Bob Buckner	Darin Hawkes	Nick Graue	Keith Rindt Kenneth Baetz	Derek Hyde	Mike Fallentine	Kevin Alcott	Ernestine Trujillo	Total AQUA Ho	Total AQUA I	HPE (Geotech)	ra (Surveying)	MA (HVAC)	Direct Expense	AQUA Expens Mar	Total AQUA Fee
TASKS AND SUBTASKS	\$190/hr	\$190/hr	\$180/hr	\$165/hr	\$125/hr	\$278/hr	\$175/hr	\$160/hr	\$135/hr	\$180/hr	\$125/hr	\$115/hr	\$105/hr	\$135/hr	\$145/hr	\$85/hr			보	Altu			10%	
Project Management	88 <i>\$16,720</i>	120 <i>\$22,800</i>	136 <i>\$24,480</i>	80 <i>\$13,200</i>	128 <i>\$16,000</i>	8 <i>\$2,224</i>	24 <i>\$4,200</i>			24 <i>\$4,320</i>		24 <i>\$2,760</i>				72 <i>\$6,120</i>	704	\$112,824				\$1,000	\$100	\$113,924
Project Team Coordination/ Meetings	40	80	80	40	80		24			24		24				48	440	\$69,160						\$69,160
Project Work Plan	8 40	40	8 48	40	48	8										24	16 248	\$2,960 \$40,704				\$1,000	\$100	\$2,960 \$41,804
Client Meetings / Workshops (12 Design, construction separate, 4 hrs ea)	40 20	40 12	40	40	100	°						16				12	240 210	\$40,704 \$30,576						\$41,004 \$31,126
1 Planning, Wastewater Facility Plan Update & Funding Assistance	\$3,800	\$2,280	\$7,920	\$660	\$12,500	\$556						\$1,840				\$1,020						\$500	\$50	
Preliminary Effluent Limits (including limit analysis) Basis of Design Development & Memorandum	8	4	8 16	4	16 24	2										2	36 54	\$5,686 \$8,230				\$500	\$50	\$6,236 \$8,230
Funding Assistance - SRF, DOLA, Municipal Lease. AddL Service.		•	10		2.											-	51	<i>40/200</i>						\$0,200
NFRWQPA Utility Plan Update w/ consolidation assistance	8	8	20	139	60		26	60	20	20	20	16	200	4		8	120	\$16,660					<u> </u>	\$16,660
2 Preliminary Engineering	80 <i>\$15,200</i>	80 <i>\$15,200</i>	180 <i>\$32,400</i>	128 <i>\$21,120</i>	352 <i>\$44,000</i>	8 <i>\$2,224</i>	36 <i>\$6,300</i>	60 <i>\$9,600</i>	20 <i>\$2,700</i>	20 <i>\$3,600</i>	32 <i>\$4,000</i>	200 <i>\$23,000</i>	200 <i>\$21,000</i>	4 <i>\$540</i>		28 <i>\$2,380</i>	1428	\$203,264	\$15,000	\$12,000		\$10,000	\$6,400	\$246,664
Site Survey of WWTF (planimetric data) and Geotechnical Engineering	4	4	16		8					4							36	\$6,120	\$15,000	\$12,000		\$5,000	\$3,200	\$41,320
CMAR Solicitation and Selection Proposed Equipment Memorandum	16 4	16 4	32 8		16 32											16 4	96 52	\$15,200 \$7,300				\$5,000	\$500 \$2,700	\$20,700 \$10,000
Equipment Preselection	16	16	24	48	96		16									8	224	\$33,800					<i>\$2,700</i>	\$33,800
30% (preliminary) Design, develop 30% GMP	40	40	100	80	200	8	20	60	20	16	32	200	200	4			1020	\$140,844					 '	\$140,844
3 CDPHE Site Approval Application	13 <i>\$2,470</i>	5 <i>\$950</i>	18 <i>\$3,240</i>		80 <i>\$10,000</i>											12 <i>\$1,020</i>	128	\$17,680				\$250	\$25	\$17,955
Site Application Form	1		1		8												10	\$1,370						\$1,370
Site Application Engineeering Report	4	4	8		40 24											4	60 40	\$8,300 ¢5.540				¢2E0	¢25	\$8,300
Local Review Agency Coordination and Presentations (2) to NFRWQPA CDPHE Review Comments/RFI's	4	1	8		8											4	40	\$5,540 \$2,470				\$250	\$25	\$5,815 \$2,470
4 Process Design Report (PDR) & 60% Design Drawings	60	60	216	216	520	44	56	136	104	96	96	300	400	8		56	2368	\$331,772			\$15,000		\$1,500	\$348,272
Prepare PDR, Biowin Modelling, Calcs, Design	<i>\$11,400</i> 16	<i>\$11,400</i> 16	<i>\$38,880</i> 40	<i>\$35,640</i> 40	<i>\$65,000</i> 80	<i>\$12,232</i> 20	<i>\$9,800</i> 16	<i>\$21,760</i> 16	<i>\$14,040</i> 24	<i>\$17,280</i> 16	<i>\$12,000</i> 16	\$34,500	\$42,000	\$1,080		<i>\$4,760</i> 12	312	\$49,940						\$49,940
60% Design Drawings & Specifications	40	40	160	160	400	24	40	120	80	80	80	300	400	8		40	1972	\$269,452			\$15,000		\$1,500	\$285,952
Finalize CMAR GMP and Validate with Third Party Contractor CDPHE Review Coordination/ Response	4	4	16	16	40											4	84	\$12,380					 '	\$12,380
	72	64	10	10	320	12	44	80	64	80	80	300	300	16		28	1684	\$232,016			\$20,000	¢1.000	¢2 100	
5 Construction Plans & Specifications (Final Design)	\$13,680	\$12,160	\$21,600	\$17,160	\$40,000	\$3,336	\$7,700	\$12,800	\$8,640	\$14,400	\$10,000	\$34,500	\$31,500	\$2,160		\$2,380					\$20,000	\$1,000	\$2,100	
Project Design Workshops (3 meetings with client to review design) Final Design Drawings & Specifications	24 40	24 40	24 80	24 80	48 240	12	24 20	80	24 40	80	80	300	300	16		24	192 1432	\$30,840 \$192,436			\$20,000	\$1,000	\$100 \$2,000	\$31,940 \$214,436
CDPHE Submittal Streamlined Review	8		16		32											4	60	\$8,740						\$8,740
								Tack	Hours															
Project Planning and Design Fee Summary	333	Task Hours 333 341 714 532 1500 74 160 276 188 220 208 840 900 28 208											6,522	020 122	15 000	12.000	25 000	12 750	10.175	¢1 012 0F7				
					+				Fees				¢04 E00			¢17.690		928,132	15,000	12,000	35,000	12,750	10,175	\$1,013,057
	\$63,270	\$64,790	\$128,520	\$87,780	\$187,500	\$20,572	\$28,000	\$44,160	\$25,380	\$39,600	\$26,000	\$96,600	\$94,500	\$3,780		\$17,680								
Preliminary Construction Engineering - Assumes CMAR Delivery	136	428	962	600	770		200	80	40	40	40	50	50		1622	64	5000	+702 600				422.000	450	4024 650
⁶ 18 months	\$25,840	\$81,320	\$173,160	\$99,000	\$96,250		\$35,000	\$12,800	\$5,400	\$7,200	\$5,000	\$5,750	\$5,250		\$235,190	\$5,440	5082	\$792,600				\$32,000	\$50	\$824,650
Construction Start / Notice to Proceed Office Engineering (RFI's, Submittal, Pay Apps, Change Orders,)	4 100	400	12 800	600	600		200	80	40	40	40				12	8	36 2900	\$5,340 \$478,400				\$500	\$50	\$5,890 \$478,400
Resident Engineer/ RPR (2 days per week, assumes CMAR delivery)	100	-100	000	000	000		200	00	-10	-10	-10				1560		1560	\$226,200				\$20,000		\$246,200
Field Services by Engineer: Weekly progress Meetings	20	-	70		70											40	200	\$28,550				\$5,000		\$33,550
Start-Up Substantial Completion	4	8	20 20		60 20											8	92 60	\$13,380 \$9,060				\$5,000 \$1,000	├ ───′	\$18,380 \$10,060
Final Completion	4	8	20		20											8	60	\$9,060				\$500		\$9,560
As-Built Documentation		4	20									50	50		50		174	\$22,610					<u> </u>	\$22,610
Preliminary Construction Engineering Fee	136	428	962	600	770	1	200	Task 80	Hours 40	40	40	50	50		1622	64	4							
Summary								Task	Fees		-						5,082					32,000	50	\$824,650
	\$25,840	\$81,320	\$173,160	\$99,000	\$96,250		\$35,000	\$12,800	\$5,400	\$7,200	\$5,000	\$5,750	\$5,250		\$235,190	\$5,440								
								Tack	Hours															
Total Planning, Design, and Construction	469	769	1676	1132	2270	74	360	356	228	260	248	890	950	28	1622	272	11,604	1 769 394	15,000	12.000	35,000	44,750	10,225	¢1 927 707
Fee Summary	¢00.110	A140 110	4201 000	6100 700	¢202.752	420 575	AC2 000		Fees	A46.000	421.000	6102.250	400 750	42 700	6335 100	400.400	11,004	1,768,284	13,000	12,000 35,0	35,000	44,750	10,225	\$1,837,707
	\$89,110	\$146,110	\$201,680	\$186,780	\$283,750	\$20,572	\$63,000	\$56,960	\$30,780	\$46,800	\$31,000	\$102,350	\$99,750 \$	\$3,780	\$235,190	\$23,120								