

FAC 8316 Sewage Lift Stations

FY25 SUC: \$12.84 / KG
Source: Calculated using R.S. Means CostWorks 2024 Qtr 3 component prices

FAC 8316 Sewage Lift Stations

FAC 8316 Sewage Lift Stations			FY25 SUC: \$12.84						
			Release: 2024 Qtr 3		UM: KG				
Zip Code Prefix: 222			Expected Service Life: 25		Adjusted Occurrences are the occurrences remaining after subtracting Repair/Replacement Overlaps. Overlap reduction removes a repair when it occurs the same year as a replacement.				
Type: MR			Model Size: 731						
Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Service Life/Frequency	Occurrences	Adjusted Occurrences	Life Cost	Adjusted Cost
Unclog main drain pipe & fittings, cast iron	10	2.00 Ea.	\$97.66	\$122.31	2.5000	2	2	\$244.62	\$244.62
Unclog 4" - 12" diameter main drain per L.F.	10	4.00 L.F.	\$16.00	\$20.04	2.5000	2	2	\$40.08	\$40.08
Insp/chk pump/mtr oper, lub, chk align, rainwater sump pump	1	2.00 Ea.	\$25.20	\$31.57	25.0000	25	25	\$789.15	\$789.15
Replace rainwater sump pump / motor assembly	20	2.00 Ea.	\$1,265.14	\$1,498.44	1.2500	1	1	\$1,498.44	\$1,498.44
Repack gate valve gland, 2" - 3" valves	10	4.00 Ea.	\$157.26	\$188.23	2.5000	2	2	\$376.46	\$376.46
Replace gate valve, partial, 2" - 3" valves	20	4.00 Ea.	\$8,647.35	\$9,894.68	1.2500	1	1	\$9,894.68	\$9,894.68
Repack gate valve gland, 8" - 12" valves	5	4.00 Ea.	\$720.20	\$875.81	5.0000	5	5	\$4,379.04	\$4,379.04
Repair failed breaker, molded case, 600 V, 3 pole	10	4.00 Ea.	\$1,617.77	\$1,925.22	2.5000	2	2	\$3,850.44	\$3,850.44
Maintenance and inspection circuit breaker, molded case, 600 V, 3 pole	0.33	4.00 Ea.	\$138.75	\$174.06	75.7576	75	75	\$13,054.72	\$13,054.72
Maintenance and repair safety switch, 3 pole safety switch, heavy duty	8	4.00 Ea.	\$175.26	\$219.87	3.1250	3	3	\$659.61	\$659.61
Maintenance and repair voice/data outlet	10	1.00 Ea.	\$55.69	\$69.61	2.5000	2	2	\$139.23	\$139.23
Remove and replace 50 HP pump motor	25	8.00 Ea.	\$83,395.20	\$95,248.06	1.0000	1	1	\$95,248.06	\$95,248.06
Remove and replace steel guard rail	7	14.00 L.F.	\$1,002.27	\$1,164.28	3.5714	3	3	\$3,492.85	\$3,492.85
Raise MH or catch basin frame and cover	10	1.00 Ea.	\$430.13	\$524.23	2.5000	2	2	\$1,048.47	\$1,048.47
			\$97,743.88	\$111,956.41					
								MR Subtotal:	\$134,715.85
								MR Per Year:	\$5,388.63
								PM Total:	\$3,998.26
								Subtotal:	\$9,386.89
								Total Per Unit:	\$12.84

FAC 8316 Sewage Lift Stations

Release: 2024 Qtr 3

Zip Code Prefix: 222

Type: PM

FY25 SUC: \$12.84

UM: KG

Expected Service Life: 25

Model Size: 731

Description	Qty	Labor Hours	Bare Mat	Bare Labor	Bare Equip	Bare Total	Total In-House	Total Incl OP
Switchboard, annualized	2	1.40	\$9.50	\$100.60	\$0.0000	110.10	141.23	172.83
Motor control center, over 400 A, annualized	4	1.56	\$103.79	\$111.55	\$0.0000	215.34	259.19	308.22
Manual slide gate, annualized	1	1.52	\$11.51	\$82.41	\$0.0000	93.92	119.79	146.24
Vertical lift, over 1 H.P., annualized	8	11.65	\$454.84	\$631.96	\$0.0000	1,086.80	1,321.87	1,579.69
Sewage lift, over 1 H.P., annualized	8	11.65	\$317.84	\$631.96	\$0.0000	949.80	1,171.17	1,408.44
Cathodic protection system, annualized	2	2.92	\$76.72	\$179.34	\$0.0000	256.06	317.53	382.84
						\$2,712.02	\$3,330.78	\$3,998.26