

FAC 1262 POL PUMP STATION

FY22 SUC:	\$16.37 / GM
Source:	Calculated using R.S. Means CostWorks 2021 Qtr 3 component prices

FAC 1262 POL PUMP STATION

Release 2021 Qtr 3
Zip Code Prefix 222
Type MR

UM GM
Design Life 50
Average Size 1457.0

SUC \$16.37

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.

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost	
Replace old valve, non-drain, 10"	10	2.00 Ea.	\$19,591.30	\$22,538.09	5.0000	5	5	\$112,690.47	\$112,690.47	
Inspect sprinkler system	1	1.00 Ea.	\$34.33	\$42.93	50.0000	50	50	\$2,146.43	\$2,146.43	
Replace sprinkler head	20	4.00 Ea.	\$342.09	\$420.76	2.5000	2	2	\$841.52	\$841.52	
Maintenance and inspection switchgear, indoor, 600 V	3	1.00 Ea.	\$40.64	\$50.92	16.6667	16	16	\$814.74	\$814.74	
Replace switchgear, indoor, 600 V	30	1.00 Ea.	\$3,067.94	\$3,675.24	1.6667	1	1	\$3,675.24	\$3,675.24	
Repair switchboard meter	10	1.00 Ea.	\$1,568.90	\$1,830.18	5.0000	5	5	\$9,150.92	\$9,150.92	
Replace switchboard meter	20	1.00 Ea.	\$6,039.17	\$6,882.51	2.5000	2	2	\$13,765.03	\$13,765.03	
Maintenance and repair motor starter, 600 V	3	1.00 Ea.	\$688.78	\$846.03	16.6667	16	16	\$13,536.56	\$13,536.56	
Replace starter motor starter, 600 V	18	1.00 Ea.	\$4,341.16	\$5,092.05	2.7778	2	2	\$10,184.10	\$10,184.10	
Maintenance and inspection lighting panel, indoor	3	1.00 Ea.	\$40.64	\$50.92	16.6667	16	16	\$814.74	\$814.74	
Maintenance and inspection circuit breaker, enclosed, 600 V, 3 pole	0.33	1.00 Ea.	\$32.39	\$40.58	151.5152	151	151	\$6,127.29	\$6,127.29	
Replace circuit breaker enclosed, 600 V, 3 pole circuit breaker	50	1.00 Ea.	\$1,276.28	\$1,493.30	1.0000	1	1	\$1,493.30	\$1,493.30	
Maintenance and repair safety switch general, 3 pole	8	1.00 Ea.	\$40.64	\$50.92	6.2500	6	6	\$305.53	\$305.53	
Maintenance and inspection safety switch, 3 pole	1	1.00 Ea.	\$40.64	\$50.92	50.0000	50	50	\$2,546.07	\$2,546.07	
Replace safety switch, 240 V, 3 pole	25	1.00 Ea.	\$466.95	\$566.41	2.0000	2	2	\$1,132.81	\$1,132.81	
Replace metal halide ballast, 175 W	10	1.00 Ea.	\$148.48	\$178.30	5.0000	5	3	\$891.50	\$534.90	
Replace metal halide fixture lamp, 175 W	5	1.00 Ea.	\$49.99	\$61.15	10.0000	10	10	\$611.54	\$611.54	
Replace metal halide fixture, 175 W	20	1.00 Ea.	\$778.47	\$914.54	2.5000	2	2	\$1,829.07	\$1,829.07	
Minor repairs to fire alarm control panel	5	1.00 Ea.	\$149.71	\$182.27	10.0000	10	10	\$1,822.75	\$1,822.75	
Maintenance and inspection fire alarm control panel	0.5	1.00 Ea.	\$43.18	\$54.10	100.0000	100	100	\$5,410.41	\$5,410.41	
Replace fire alarm control panel	15	1.00 Ea.	\$1,953.46	\$2,391.92	3.3333	3	3	\$7,175.76	\$7,175.76	
Maintenance and repair of general wiring lightning protection system	1	1.00 M.L.F.	\$96.72	\$119.83	50.0000	50	50	\$5,991.33	\$5,991.33	
Maintenance and repair lightning ground rod	1	1.00 Ea.	\$87.89	\$109.79	50.0000	50	48	\$5,489.36	\$5,269.78	
Replace lightning ground rod	25	1.00 Ea.	\$226.09	\$280.29	2.0000	2	2	\$560.58	\$560.58	
Maintenance and repair special ground system	4	1.00 Ea.	\$21.59	\$27.05	12.5000	12	12	\$324.62	\$324.62	
			\$41,167.45	\$47,951.03				MR Subtotal	\$208,755.51	
									MR Per Year	\$4,175.11
									PM Total	\$19,680.26
									Subtotal	\$23,855.37
									Total Per Unit	\$16.37

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Type PM

UM GM

Design Life 50

Average Size 1457.0

SUC \$16.37

Description	Qty	Labor Hours	Bare Mat	Bare Labor	Bare Equip	Bare Total	Total In-House	Total Incl OP
Valve, auto diaphragm, above 4", annualized	4.00	0.70	\$23.46	\$35.24	\$0.00	\$58.70	\$71.61	\$85.70
Deaerator tank, annualized	4.00	6.02	\$99.08	\$362.97	\$0.00	\$462.05	\$580.85	\$704.60
Fire pump, electric motor driven, annualized	4.00	191.01	\$212.31	\$11,364.90	\$0.00	\$11,577.21	\$15,007.91	\$18,449.23
Switchboard, annualized	1.00	0.70	\$3.99	\$46.10	\$0.00	\$50.09	\$64.32	\$78.75
Circuit breaker, high voltage oil, annualized	4.00	3.42	\$0.49	\$225.85	\$0.00	\$226.34	\$294.15	\$361.98
						\$12,374.39	\$16,018.84	\$19,680.26

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Modeled Component List
CostWorks Release 2021 Qtr 3

D20 Plumbing

Valve, Non-Drain, 10"	2.0 Ea.
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D40 Fire Protection

Sprinkler System, Fire Supression, sprinkler head	4.0 Ea.
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Fire Pump, Electric, annualized	4.0 Each
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D50 Electrical

Switchgear, Indoor, 600 V	1.0 Ea.
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Motor Starter, 600 V	1.0 Ea.
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Load Center, 100 A, maintenance & inspection	1.0 Ea.
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Circuit Breaker, enclosed, 600 V, 3 pole	1.0 Ea.
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Safety Switch, General Duty, 240 V, 3 pole	1.0 Ea.
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Metal Halide Fixture	1.0 Ea.
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Fire Alarm Control Panel	1.0 Ea.
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Lightning Ground Rod	1.0 Ea.
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Sustainment by Year
CostWorks Release 2021 Qtr 3

