

FAC 8431 WATER SOURCE, FIRE PROTECTION

FY24 SUC:	\$0.60 / GM
Source:	Calculated using R.S. Means CostWorks 2023 Qtr 4 component prices

FAC 8431 WATER SOURCE, FIRE PROTECTION

SUC \$0.60

Release 2023 Qtr 4
Zip Code Prefix 222
Type MR

UM GM
Design Life 50
Average Size 962.0

Adjusted Occurences 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	
Remove and replace 50 HP pump motor	25	0.20 Ea.	\$1,803.12	\$2,059.97	2.0000	2	2	\$4,119.95	\$4,119.95	
Remove old meter, install new water meter 2"	25	0.20 Ea.	\$502.23	\$575.37	2.0000	2	2	\$1,150.73	\$1,150.73	
Replace pipe, 6" pipe and fittings, PVC	30	8.00 L.F.	\$1,010.49	\$1,226.92	1.6667	1	1	\$1,226.92	\$1,226.92	
Unclog main drain pipe & fittings, cast iron	10	1.00 Ea.	\$48.84	\$61.14	5.0000	5	5	\$305.70	\$305.70	
Replace fuse	25	0.50 Ea.	\$228.45	\$262.33	2.0000	2	2	\$524.67	\$524.67	
Replace service cable	50	0.05 M.L.F.	\$197.95	\$239.35	1.0000	1	1	\$239.35	\$239.35	
Replace armored cable	60	0.05 M.L.F.	\$284.72	\$353.48	0.8333	0	0	\$0.00	\$0.00	
Maintenance and repair breaker, enclosed, 240 V, 3 pole	25	2.00 Ea.	\$151.68	\$190.03	2.0000	2	2	\$380.07	\$380.07	
Replace EMT conduit, 1" diameter	50	0.02 M.L.F.	\$225.17	\$271.23	1.0000	1	1	\$271.23	\$271.23	
Maintenance and repair electrical service ground	25	0.02 M.L.F.	\$1.85	\$2.31	2.0000	2	2	\$4.61	\$4.61	
Replace electrical service ground	50	0.02 M.L.F.	\$90.08	\$109.80	1.0000	1	1	\$109.80	\$109.80	
			\$4,544.60	\$5,351.94				MR Subtotal	\$8,333.04	
									MR Per Year	\$166.66
									PM Total	\$414.77
									Subtotal	\$581.43
									Total Per Unit	\$0.60

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Description	Qty	Labor Hours	Bare Mat	Bare Labor	Bare Equip	Bare Total	Total In-House	Total Incl OP
Valve, check, above 4", annualized	1.00	0.26	\$4.14	\$13.73	\$0.00	\$17.87	\$22.41	\$27.15
Valve, sediment strainer, above 4", annualized	1.00	0.31	\$5.92	\$16.74	\$0.00	\$22.66	\$28.28	\$34.19
Submersible, 1 H.P. and over, annualized	1.00	3.85	\$19.33	\$205.79	\$0.00	\$225.12	\$288.79	\$353.43
						\$265.66	\$339.48	\$414.77

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Modeled Component List

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D50 Electrical

Cable, Service

0.05 M.L.F.

Electrical Service Ground

0.02 M.L.F.

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Sustainment by Year
CostWorks Release 2023 Qtr 4

