

FAC 8442 WATER STORAGE, NON-POTABLE

FY24 SUC: \$0.01 / GA
Source: Calculated using R.S. Means CostWorks 2023 Qtr 4 component prices

FAC 8442 WATER STORAGE, NON-POTABLE

SUC \$0.01

Release 2023 Qtr 4

UM GA

Zip Code Prefix 222

Design Life 50

Type MR

Average Size 156324.534989

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	
Replace steel decking	30	380.00 S.F.	\$2,243.68	\$2,606.93	1.6667	1	1	\$2,606.93	\$2,606.93	
Metal floor grating repairs - (2% of grating)	10	142.00 S.F.	\$4,708.31	\$5,674.06	5.0000	5	5	\$28,370.31	\$28,370.31	
Replace metal floor grating	30	128.00 S.F.	\$3,653.08	\$4,213.73	1.6667	1	1	\$4,213.73	\$4,213.73	
Replace old valve, non-drain, 8"	10	2.00 Ea.	\$14,362.64	\$16,591.38	5.0000	5	5	\$82,956.90	\$82,956.90	
Insp/chk pump/mtr oper, lub, chk align circulation pump, 3 HP	0.5	1.00 Ea.	\$13.62	\$17.05	100.0000	100	100	\$1,705.22	\$1,705.22	
Remove old meter, install new water meter 8"	25	2.00 Ea.	\$26,727.88	\$30,997.26	2.0000	2	2	\$61,994.52	\$61,994.52	
Maintenance and repair breaker, molded case, 480 V, 2 pole	20	2.00 Ea.	\$151.68	\$190.03	2.5000	2	2	\$380.07	\$380.07	
Replace safety switch, heavy duty 200 A	25	2.00 Ea.	\$4,525.55	\$5,312.91	2.0000	2	2	\$10,625.82	\$10,625.82	
Maintenance and repair of general wiring lightning protection system	1	0.20 M.L.F.	\$21.90	\$26.98	50.0000	50	50	\$1,348.87	\$1,348.87	
Maintenance and repair lightning ground rod	1	3.00 Ea.	\$276.85	\$345.96	50.0000	50	50	\$17,298.23	\$17,298.23	
Maintenance and repair voice/data outlet	10	1.00 Ea.	\$54.32	\$67.84	5.0000	5	5	\$339.21	\$339.21	
Prepare & paint 100K gal. ground level water stor tank, 30' dia x 19' tall	10	1.50 Ea.	\$49,972.20	\$59,667.40	5.0000	5	5	\$298,337.02	\$298,337.02	
			\$106,711.71	\$125,711.54				Average MR of Tank Types	\$42,514.74	
									MR Per Year	\$850.29
									Average PM of Tank Types	\$214.20
									Subtotal	\$1,064.49
									Total Per Unit	\$0.01

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Release 2023 Qtr 4 UM GA
Zip Code Prefix 222 Design Life 50
Type PM Average Size 156324.534989

Description	Qty	Labor Hours	Bare Mat	Bare Labor	Bare Equip	Bare Total	Total In-House	Total Incl OP
Circuit breaker, high voltage air, annualized	2.00	0.94	\$27.66	\$64.95	\$0.00	\$92.61	\$114.86	\$138.50
Panelboard, 225 A and above, annualized	1.00	0.44	\$22.00	\$30.41	\$0.00	\$52.42	\$63.74	\$76.16
Storage tank, ground level, annually	1.00	0.72	\$19.76	\$37.60	\$0.00	\$57.37	\$70.62	\$84.87
Water flow meter, turbine, annualized	1.00	0.59	\$18.72	\$30.42	\$0.00	\$49.14	\$60.14	\$72.08
Reservoir controls, annualized	1.00	8.86	\$42.30	\$456.30	\$0.00	\$498.60	\$639.72	\$782.96
Vertical lift, over 1 H.P., annualized	1.00	1.46	\$46.46	\$75.63	\$0.00	\$122.09	\$149.43	\$179.08
Cathodic protection system, annualized	1.00	1.46	\$26.08	\$83.23	\$0.00	\$109.31	\$136.89	\$165.77
						\$981.54	\$1,235.41	\$214.20

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Modeled Component List

CostWorks Release 2023 Qtr 4

B10 Superstructure

Steel Decking	380.0 S.F.
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G30 Site Mechanical Utilities

Ground Level Water Storage Tank 100K Gallon	1.5 Ea.
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Water Flow Meter, Turbine, annualized	1.0 Each
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Vertical Lift, annualized	1.0 Each
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G40 Site Electrical Utilities

Cathodic Protection, annualized	1.0 Each
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Sustainment by Year
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