

FAC 4114 SMALL BULK STORAGE

FY22 SUC:	\$0.18 / GA
Source:	Calculated using R.S. Means CostWorks 2021 Qtr 3 component prices

FAC 4114 SMALL BULK STORAGE

Release 2021 Qtr 3
Zip Code Prefix 222
Type MR

UM GA
Design Life 45
Average Size 14636.0

SUC \$0.18

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	
Prep & paint 10k gal. ground level fuel storage tank, 24' dia x 30' tall	10	5.00 Ea.	\$14,706.97	\$17,668.97	4.5000	4	4	\$70,675.87	\$70,675.87	
Replace old valve, non-drain, 2"	10	4.00 Ea.	\$3,315.11	\$3,815.57	4.5000	4	4	\$15,262.26	\$15,262.26	
Replace unfinished concrete floor	25	1.10 C.S.F.	\$615.08	\$731.25	1.8000	1	1	\$731.25	\$731.25	
Minor repairs to concrete floor unfinished	15	11.00 S.F.	\$433.27	\$525.51	3.0000	3	3	\$1,576.53	\$1,576.53	
Overhaul water meter	13	2.00 Ea.	\$49.01	\$60.78	3.4615	3	3	\$182.34	\$182.34	
Insp/chk pump/mtr oper, lub, chk align, rainwater sump pump	1	1.00 Ea.	\$11.95	\$14.94	45.0000	45	45	\$672.46	\$672.46	
Replace rainwater sump pump / motor assembly	20	1.00 Ea.	\$632.43	\$747.09	2.2500	2	2	\$1,494.18	\$1,494.18	
			\$19,763.82	\$23,564.10				MR Subtotal	\$90,594.89	
									MR Per Year	\$2,013.22
									PM Total	\$677.10
									Subtotal	\$2,690.32
									Total Per Unit	\$0.18

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Description	Qty	Labor Hours	Bare Mat	Bare Labor	Bare Equip	Bare Total	Total In-House	Total Incl OP
Storage tank, ground level, annualized	1.00	0.72	\$18.38	\$35.27	\$0.00	\$53.65	\$66.07	\$79.41
Pump, rotary displacement, annualized	1.00	1.39	\$33.08	\$67.15	\$0.00	\$100.22	\$123.68	\$148.78
Valve, post indicator, annualized	1.00	1.42	\$33.81	\$68.85	\$0.00	\$102.66	\$126.70	\$152.42
Cathodic protection system, annualized	1.00	1.46	\$19.33	\$79.05	\$0.00	\$98.38	\$124.03	\$150.64
Motor control center, over 400 A, annualized	1.00	0.39	\$23.20	\$25.90	\$0.00	\$49.10	\$59.19	\$70.44
Panelboard, 225 A and above, annualized	1.00	0.44	\$23.20	\$29.01	\$0.00	\$52.21	\$63.23	\$75.41
						\$456.22	\$562.89	\$677.10

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Modeled Component List
CostWorks Release 2021 Qtr 3

D20 Plumbing

Valve, Non-Drain, 2" 4.0 Ea.

Water Meter 2.0 Ea.

Rainwater Sump Pump 1.0 Ea.

G30 Site Mechanical Utilities

Storage Tank Ground Level, annualized 1.0 Each

G40 Site Electrical Utilities

Cathodic Protection, annualized 1.0 Each

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Sustainment by Year
CostWorks Release 2021 Qtr 3

