

FAC 4121 BULK LIQUID STORAGE OTHER THAN FUEL

FY22 SUC: \$0.07 / GA
Source: Calculated using R.S. Means CostWorks 2021 Qtr 3 component prices

FAC 4121 BULK LIQUID STORAGE OTHER THAN FUEL

Release 2021 Qtr 3
Zip Code Prefix 222
Type MR

UM GA
Design Life 28
Average Size 46900.0

SUC \$0.07

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 10' of buried 3" diam steel pipe/M.L.F. natural gas	12	12.00 Ea.	\$8,882.69	\$10,900.57	2.3333	2	2	\$21,801.14	\$21,801.14	
Prep & paint 100k gal. ground level fuel storage tank, 24' dia x 30' tall	25	1.00 Ea.	\$32,025.26	\$38,489.26	1.1200	1	1	\$38,489.26	\$38,489.26	
Repair metal stairs	15	32.00 S.F.	\$3,223.23	\$3,708.46	1.8667	1	1	\$3,708.46	\$3,708.46	
Replace metal hand rail	30	2.00 L.F.	\$151.37	\$175.15	0.9333	0	0	\$0.00	\$0.00	
Metal floor grating repairs - (2% of grating)	10	64.00 S.F.	\$2,141.07	\$2,577.78	2.8000	2	2	\$5,155.56	\$5,155.56	
Preventive maintenance fuel level meter	5	1.00 Ea.	\$36.93	\$46.19	5.6000	5	5	\$230.95	\$230.95	
Preventive maintenance oil filter	1	1.00 Ea.	\$6.19	\$7.48	28.0000	28	28	\$209.34	\$209.34	
Replace oil filter housing	30	1.00 Ea.	\$61.92	\$74.77	0.9333	0	0	\$0.00	\$0.00	
Install new 2" gasket, 1 per M.L.F. natural gas, steel/iron	30	4.00 Ea.	\$515.31	\$639.85	0.9333	0	0	\$0.00	\$0.00	
			\$47,043.97	\$56,619.50				MR Subtotal	\$69,594.71	
									MR Per Year	\$2,485.53
									PM Total	\$869.76
									Subtotal	\$3,355.29
									Total Per Unit	\$0.07

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Type PM Average Size 46900.0

Description	Qty	Labor Hours	Bare Mat	Bare Labor	Bare Equip	Bare Total	Total In-House	Total Incl OP
Fuel oil storage tank, above ground, annualized	1.00	3.28	\$20.29	\$158.95	\$0.00	\$179.24	\$228.95	\$279.68
Vertical lift, over 1 H.P., annualized	1.00	1.46	\$52.92	\$70.55	\$0.00	\$123.47	\$149.93	\$179.03
Water flow meter, turbine, annualized	1.00	0.59	\$18.96	\$28.47	\$0.00	\$47.44	\$57.88	\$69.26
Circuit breaker, high voltage air, annualized	1.00	0.47	\$15.16	\$31.08	\$0.00	\$46.24	\$57.08	\$68.67
Controls, central system, electro/pneumatic, annualized	1.00	1.92	\$70.77	\$115.41	\$0.00	\$186.18	\$227.88	\$273.12
						\$582.56	\$721.71	\$869.76

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Modeled Component List

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B10 Superstructure

Railing, Metal

2.0 L.F.

G30 Site Mechanical Utilities

Fuel Oil Storage Tank, annualized

1.0 Each

Vertical Lift, annualized

1.0 Each

Water Flow Meter, Turbine, annualized

1.0 Each

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Sustainment by Year
CostWorks Release 2021 Qtr 3

