

FAC 1467 AIRCRAFT SUPPORT FACILITY

FY24 SUC: \$12,985.24 / EA
Source: Calculated using R.S. Means CostWorks 2023 Qtr 4 component prices

FAC 1467 AIRCRAFT SUPPORT FACILITY

SUC \$12,985.24

Release 2023 Qtr 4
Zip Code Prefix 222
Type MR

UM EA
Design Life 45
Average Size 1.0

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	
Maintenance and inspection motor starter, up to 600 V	0.5	2.00 Ea.	\$113.76	\$142.53	90.0000	90	90	\$12,827.29	\$12,827.29	
Replace starter motor starter, up to 600 V	18	2.00 Ea.	\$1,682.04	\$2,001.49	2.5000	2	2	\$4,002.99	\$4,002.99	
Maintenance and repair secondary transformer, dry	10	1.00 Ea.	\$254.10	\$303.63	4.5000	4	4	\$1,214.50	\$1,214.50	
Maintenance and inspection secondary transformer, dry	0.5	1.00 Ea.	\$85.32	\$106.89	90.0000	90	90	\$9,620.47	\$9,620.47	
Replace transformer 15 KVA	30	1.00 Ea.	\$3,141.43	\$3,757.40	1.5000	1	1	\$3,757.40	\$3,757.40	
Repair failed breaker, molded case, 600 V, 3 pole	10	4.00 Ea.	\$1,454.30	\$1,735.96	4.5000	4	4	\$6,943.83	\$6,943.83	
Maintenance and inspection circuit breaker, molded case, 600 V, 3 pole	0.33	4.00 Ea.	\$136.51	\$171.03	136.3636	136	136	\$23,260.15	\$23,260.15	
Replace circuit breaker molded case, 600 V, 3 pole circuit breaker	50	4.00 Ea.	\$18,738.30	\$21,474.15	0.9000	0	0	\$0.00	\$0.00	
Replace circuit breaker enclosed, 600 V, 3 pole circuit breaker 800 A	50	1.00 Ea.	\$10,457.46	\$12,100.57	0.9000	0	0	\$0.00	\$0.00	
Maintenance and repair safety switch, 3 pole safety switch, heavy duty	8	1.00 Ea.	\$42.34	\$53.05	5.6250	5	5	\$265.26	\$265.26	
Replace metal halide fixture lamp, 400 W	5	4.00 Ea.	\$259.51	\$313.40	9.0000	9	9	\$2,820.57	\$2,820.57	
Replace metal halide fixture, 400 W	20	4.00 Ea.	\$3,054.82	\$3,652.34	2.2500	2	2	\$7,304.67	\$7,304.67	
Maintenance and repair of general wiring lightning protection system	1	0.50 M.L.F.	\$54.75	\$67.44	45.0000	45	45	\$3,034.95	\$3,034.95	
Replace lightning protection general wiring system	25	0.50 M.L.F.	\$6,274.18	\$7,437.71	1.8000	1	1	\$7,437.71	\$7,437.71	
Maintenance and repair lightning ground rod	1	1.00 Ea.	\$92.28	\$115.32	45.0000	45	44	\$5,189.47	\$5,074.15	
Replace lightning ground rod	25	1.00 Ea.	\$245.60	\$303.67	1.8000	1	1	\$303.67	\$303.67	
Check and adjust 25 H.P. compressor	1	2.00 Ea.	\$178.06	\$222.90	45.0000	45	45	\$10,030.57	\$10,030.57	
Replace 25 H.P. compressor	25	2.00 Ea.	\$54,962.15	\$63,764.58	1.8000	1	1	\$63,764.58	\$63,764.58	
Check operation compressed air systems	1	2.00 Ea.	\$49.38	\$61.81	45.0000	45	45	\$2,781.57	\$2,781.57	
General maintenance pipe & fittings, compressed air	2	1.00 M.L.F.	\$38.64	\$48.38	22.5000	22	22	\$1,064.25	\$1,064.25	
Replace pipe and fittings, compressed air	75	2,500.00 L.F.	\$501,854.89	\$621,648.48	0.6000	0	0	\$0.00	\$0.00	
Maintenance and repair inverter	1	2.00 Ea.	\$1,587.73	\$1,902.90	45.0000	45	45	\$85,630.40	\$85,630.40	
Maintenance and inspection inverter	0.25	2.00 Ea.	\$273.03	\$342.06	180.0000	180	180	\$61,570.99	\$61,570.99	
Replace 1 KVA inverter	20	2.00 Ea.	\$7,766.21	\$8,866.91	2.2500	2	2	\$17,733.83	\$17,733.83	
Maintenance and repair motor starter, up to 600 V	5	2.00 Ea.	\$525.64	\$638.99	9.0000	9	9	\$5,750.89	\$5,750.89	
			\$613,322.46	\$751,233.60				MR Subtotal	\$336,194.70	
									MR Per Year	\$7,470.99
									PM Total	\$5,514.25
									Subtotal	\$12,985.24

Description	Frequency	Qty Unit	Total In-House	Total Incl OP	Design Life/Frequency	Occurrences in Design Life	Adjusted Occurrences	Life Cost	Adjusted Cost
								Total Per Unit	\$12,985.24

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Release 2023 Qtr 4

UM EA

Zip Code Prefix 222

Design Life 45

Type PM

Average Size 1.0

Description	Qty	Labor Hours	Bare Mat	Bare Labor	Bare Equip	Bare Total	Total In-House	Total Incl OP
Panelboard, 225 A and above, annualized	1.00	0.44	\$22.00	\$30.41	\$0.00	\$52.42	\$63.74	\$76.16
Transformer, dry type 500 KVA and over, annualized	1.00	0.77	\$13.83	\$53.61	\$0.00	\$67.44	\$84.91	\$103.07
Power stablizer, annualized	2.00	1.25	\$18.32	\$79.39	\$0.00	\$97.71	\$123.35	\$149.92
Switchboard, annualized	1.00	0.70	\$3.98	\$48.97	\$0.00	\$52.95	\$68.04	\$83.33
Air compressor, centrifugal, over 40 H.P., annualized	2.00	29.78	\$183.17	\$1,874.80	\$0.00	\$2,057.97	\$2,638.73	\$3,228.65
Extinguishing system, FM200, annualized	1.00	9.26	\$642.62	\$492.68	\$0.00	\$1,135.30	\$1,347.37	\$1,591.56
Motor control center, over 400 A, annualized	4.00	1.56	\$88.00	\$107.22	\$0.00	\$195.23	\$236.20	\$281.56
						\$3,659.01	\$4,562.33	\$5,514.25

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Modeled Component List

CostWorks Release 2023 Qtr 4

D50 Electrical

Motor Starter, Up To 600 V	2.0 Ea.
Secondary Transformer, Dry, 15 KVA	1.0 Ea.
Circuit Breaker, molded case, 600 V, 3 pole	4.0 Ea.
Fixture 400 W	4.0 Ea.
Lightning Protection System	0.5 M.L.F.
Lightning Ground Rod	1.0 Ea.
Inverter	2.0 Ea.

D20 Plumbing

Compressed Air Systems, Compressors, 25 H.P.	2.0 Ea.
Compressed Air Systems, Compressors, Check operation	2.0 Ea.

D40 Fire Protection

Extinguishing system, FM200	1.0 Each
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Sustainment by Year
CostWorks Release 2023 Qtr 4

